



Personal Systems Reference Lenovo® ThinkPad® Edge Notebooks

February 2013 - Version 432



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ThinkPad®



Lenovo® ThinkPad Twist S230u
(Tent Mode)



Lenovo® ThinkPad Twist S230u
(Tablet Mode)



Lenovo® ThinkPad Twist S230u
(Notebook Mode)



Lenovo® ThinkPad Twist S230u
(Stand Mode)



Lenovo® ThinkPad Twist S230u



Lenovo® ThinkPad Twist S230u

ThinkPad® Twist S230u (3347) - TopSeller (Ultrabook)

Personal Systems Reference (PSREF)

Type-model	Processor	Memory	Widescreen display	Camera	Disk SATA GB ⁵ rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN/ mSATA	SIM card	Top color	Blue-tooth	Bat-tery cells	Preload	Ann date (mm/yy)
3347-2YU	i3-3217U	4GB	12.5" HD <i>Multi</i>	720p	320G 7200	TP 11a/b/g/n ²⁸	24GB	None	Black	BT	8	Win8 Pro64	10/12
3347-2RU	i7-3517U	8GB	12.5" HD <i>Multi</i>	720p	128G SSD	TP 11a/b/g/n	None	None	Black	BT	8	Win8 Pro64	10/12
3347-2QU	i5-3317U	4GB	12.5" HD <i>Multi</i>	720p	128G SSD	TP 11a/b/g/n	None	None	Black	BT	8	Win8 Pro64	10/12
3347-2NU	i3-3217U	4GB	12.5" HD <i>Multi</i>	720p	500G 7200	TP 11a/b/g/n	24GB	None	Black	BT	8	Win8 Pro64	10/12
3347-2HU	i5-3317U	4GB	12.5" HD <i>Multi</i>	720p	500G 7200	TP 11a/b/g/n	24GB	None	Black	BT	8	Win8 Pro64	10/12
3347-2GU	i7-3517U	8GB	12.5" HD <i>Multi</i>	720p	500G 7200	TP 11a/b/g/n	24GB	None	Black	BT	8	Win8 Pro64	10/12

- **Small and medium business (SMB) model(s), part of the US TopSeller™ Program**
- **A depot repair service 1-year limited warranty**

Positioning Processor	Convertible tablet ultrabook™; one spindle Intel® Core™ i3-3217U processor (2 cores, 1.80GHz, 3MB Cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), HT technology Intel Core i5-3317U processor (2 cores, 1.70GHz, 3MB Cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.60GHz), HT technology Intel Core i7-3517U processor (2 cores, 1.90GHz, 4MB Cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology		Preloaded operating system ²⁰ - Windows® 8 Pro 64-bit Preloaded applications ¹⁴ (only some listed) <ul style="list-style-type: none">• Lenovo Support• Lenovo Companion• Lenovo Cloud Storage• Password Manager• Fingerprint Software (fingerprint models)• ThinkVantage System Update• Norton™ Internet Security (30 days of virus definitions)• Microsoft Office 2013 preloaded; purchase product key to activate• Skype™
Memory	2GB, 4GB or 8GB / PC3-10600 1333MHz DDR3 / soldered to systemboard, no SO-DIMM sockets		
Optical	None		
SATA disk	<i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high <i>Some:</i> Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ <i>All:</i> removable, upgradable		
mSATA™ SSD	<i>Some:</i> 24GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot		
Widescreen display	12.5" (317.5mm) HD (1366x768) TFT color, smudgeless and anti-reflective display with Corning® Gorilla® Glass, LED backlight, 350 nits, 16:9 aspect ratio, 500:1 contrast ratio, IPS, rotate and swivel hinge <i>Bottom buttons:</i> volume up / down and Windows buttons <i>Side buttons:</i> power and auto rotation buttons		
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 5-point multi-touch		
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus		
Graphics	Intel HD Graphics 4000 in processor, supports external digital monitor via Mini HDMI and Mini DisplayPort; supports dual independent display; <i>Maximum external resolution:</i> 2560x1600 (Mini DisplayPort) @60Hz; 1920x1200 (Mini HDMI) @60Hz		
Keyboard	6-row, 83-key, spill-resistant, multimedia Fn keys		
TrackPoint®	TrackPoint pointing device		
Touchpad	UltraNav™, buttonless touchpad below keyboard, Tap Zones, multi-touch		
Light sensor	Ambient light sensor		
ThinkLight™	None		
Dimensions ³	<i>8-cell:</i> 12.32" x 9.29" x 0.79"; 313mm x 236mm x 20mm		
Weight ²	<i>8-cell:</i> from 3.50 lb (1.60kg)		
Case material	<i>Display cover:</i> Magnesium + Polyphenylene sulfide (PPS); <i>Bottom:</i> Magnesium + PPS		
Battery - type	Integrated Li-Polymer 8-cell, HW Authentication		
Extended Battery	None		
Battery - life ¹⁰	<i>8-cell (42.4Whr):</i> up to 6.0 hr		
Chipset	Mobile Intel HM77 Express Chipset		
Multicard Reader	4-in-1 reader (SD, SDHC, SDXC, MMC)		
ExpressCard	None		
Smart Card Read	None		
Ports	Two USB 3.0, external monitor (mini-HDMI, mini-DisplayPort), ethernet (RJ-45)		
PCIe Mini Card	Two PCI Express Mini Card slots		
PCIe WLAN ⁴	11a/b/g/n, PCIe Half Mini Card, ThinkPad 11a/b/g/n, Wi-Fi + Bluetooth combo adapter, 2x2		
PCIe WWAN	None		
SIM card	None		
Modem	None		
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card		
Ethernet	Gigabit Network Connection Realtek® RTL8111F, PHY, PCIe x1		
Intel AMT	None		
Audio support	High Definition (HD) Audio, Realtek ALC3202 codec / stereo speakers, 2 watt x 2, Dolby® Home Theater® v4 certified / volume up, down, mute buttons / dual array microphone, combo audio/mic jack		
Security	Power-on password, hard disk password, supervisor password, security keyhole		
Security chip	Trusted Platform Module, TCG 1.2-compliant		
Fingerprint reader	None		
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available		

Supports ThinkVantage® technologies
65-watt AC Adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant GREENGUARD® certified ROHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²
For Lenovo ²² service upgrade options, please go to S-EDGE sheet

See footnotes for more detailed information
US model(s) announced October 23, 2012

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(TANR1-1) October 2012

ThinkPad® Twist S230u (3347) - TopSeller (Ultrabook) - II

Personal Systems Reference (PSREF)

Type-model	Processor	Memory	Widescreen display	Camera	Disk SATA GB ⁵ rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN/ mSATA	SIM card	Top color	Blue- tooth	Bat- tery cells	Preload	Ann date (mm/yy)
3347-7EU	i5-3427U	4GB	12.5" HD <i>Multi</i>	720p	500G 7200	TP 11a/b/g/n ²⁸	24GB	None	Black	BT	8	Win8 Pro64	02/13
3347-7DU	i5-3427U	4GB	12.5" HD <i>Multi</i>	720p	500G 7200	Intel 2230	24GB	None	Black	BT	8	Win8 Pro64	02/13
3347-7CU	i5-3427U	4GB	12.5" HD <i>Multi</i>	720p	128G SSD	Intel 2230	None	None	Black	BT	8	Win8 Pro64	02/13
3347-7BU	i5-3427U	4GB	12.5" HD <i>Multi</i>	720p	128G SSD	TP 11a/b/g/n	None	None	Black	BT	8	Win8 Pro64	02/13
3347-78U	i5-3337U	4GB	12.5" HD <i>Multi</i>	720p	500G 7200	Intel 2230	24GB	None	Black	BT	8	Win8 Pro64	02/13
3347-77U	i7-3537U	8GB	12.5" HD <i>Multi</i>	720p	128G SSD	TP 11a/b/g/n	None	None	Black	BT	8	Win8 Pro64	02/13
3347-76U	i5-3337U	4GB	12.5" HD <i>Multi</i>	720p	128G SSD	TP 11a/b/g/n	None	None	Black	BT	8	Win8 Pro64	02/13
3347-6WU	i3-3227U	4GB	12.5" HD <i>Multi</i>	720p	500G 7200	TP 11a/b/g/n	24GB	None	Black	BT	8	Win8 Pro64	02/13
3347-6VU	i5-3337U	4GB	12.5" HD <i>Multi</i>	720p	500G 7200	TP 11a/b/g/n	24GB	None	Black	BT	8	Win8 64	02/13
3347-6UU	i5-3337U	4GB	12.5" HD <i>Multi</i>	720p	500G 7200	TP 11a/b/g/n	24GB	None	Black	BT	8	Win8 Pro64	02/13
3347-6LU	i7-3537U	8GB	12.5" HD <i>Multi</i>	720p	500G 7200	TP 11a/b/g/n	24GB	None	Black	BT	8	Win8 Pro64	02/13
Positioning Processor	<i>Convertible tablet ultrabook™; one spindle</i> Intel® Core™ i3-3227U processor (2 cores, 1.90GHz, 3MB Cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), HT technology Intel Core i5-3337U processor (2 cores, 1.80GHz, 3MB Cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.70GHz), HT technology Intel Core i5-3427U processor (2 cores, 1.80GHz, 3MB Cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.80GHz), HT technology Intel Core i7-3537U processor (2 cores, 2.00GHz, 4MB Cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology									Preloaded operating system²⁰ - <i>Some:</i> Windows 8 64-bit - <i>Some:</i> Windows 8 Pro 64-bit Preloaded applications¹⁴ (only some listed) • Lenovo Support • Lenovo Companion • Lenovo Cloud Storage • Password Manager • Fingerprint Software (fingerprint models) • ThinkVantage System Update • Norton™ Internet Security (30 days of virus definitions) • Microsoft Office 2013 preloaded; purchase product key to activate • Skype™			
Memory	4GB or 8GB / PC3-10600 1333MHz DDR3 / soldered to systemboard, no SO-DIMM sockets												
Optical SATA disk	None <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high <i>Some:</i> Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ <i>All:</i> removable, upgradable												
mSATA™ SSD	<i>Some:</i> 24GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot												
Widescreen display	12.5" (317.5mm) HD (1366x768) TFT color, smudgeless and anti-reflective display with Corning® Gorilla® Glass, LED backlight, 350 nits, 16:9 aspect ratio, 500:1 contrast ratio, IPS, rotate and swivel hinge <i>Bottom buttons:</i> volume up / down and Windows buttons <i>Side buttons:</i> power and auto rotation buttons												
Multi-touch Camera	Projected Capacitive Touch (PCT) technology, supports 5-point multi-touch HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus												
Graphics	Intel HD Graphics 4000 in processor, supports external digital monitor via Mini HDMI and Mini DisplayPort; supports dual independent display; <i>Maximum external resolution:</i> 2560x1600 (Mini DisplayPort) @60Hz; 1920x1200 (Mini HDMI) @60Hz												
Keyboard TrackPoint®	6-row, 83-key, spill-resistant, multimedia Fn keys												
Touchpad	TrackPoint pointing device												
Light sensor	UltraNav™, buttonless touchpad below keyboard, Tap Zones, multi-touch												
ThinkLight™	Ambient light sensor None												
Dimensions ³	<i>8-cell:</i> 12.32" x 9.29" x 0.79"; 313mm x 236mm x 20mm												
Weight ²	<i>8-cell:</i> from 3.50 lb (1.60kg)												
Case material	<i>Display cover:</i> Magnesium + Polyphenylene sulfide (PPS); Integrated Li-Polymer 8-cell, HW Authentication									<i>Bottom:</i> Magnesium + PPS			
Battery - type	None												
Extended Battery	None												
Battery - life ¹⁰	<i>8-cell (42.4Whr):</i> up to 6.0 hr												
Chipset	Mobile Intel HM77 Express Chipset												
Multicard Reader	4-in-1 reader (SD, SDHC, SDXC, MMC)												
ExpressCard	None												
Smart Card Read	None												
Ports	Two USB 3.0, external monitor (mini-HDMI, mini-DisplayPort), ethernet (RJ-45)												
PCIe Mini Card	Two PCI Express Mini Card slots												
PCIe WLAN ⁴	<i>Some:</i> 11a/b/g/n, PCIe Half Mini Card, ThinkPad 11a/b/g/n, Wi-Fi + Bluetooth combo adapter, 2x2 <i>Some:</i> 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2												
PCIe WWAN	None												
SIM card	None									Supports ThinkVantage® technologies			
Modem	None												
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card												
Ethernet	Gigabit Network Connection Realtek® RTL8111F, PHY, PCIe x1												
Intel AMT	None												
Audio support	High Definition (HD) Audio, Realtek ALC3202 codec / stereo speakers, 2 watt x 2, Dolby® Home Theater® v4 certified / volume up, down, mute buttons / dual array microphone, combo audio/mic jack									65-watt AC Adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant GREENGUARD® certified ROHS-compliant International Warranty Service ¹⁷			
Security	Power-on password, hard disk password, supervisor password, security keyhole									24 hour x 7 day ¹⁸ toll-free support			
Security chip	Trusted Platform Module, TCG 1.2-compliant									during the warranty period ¹²			
Fingerprint reader	None									For Lenovo ²² service upgrade options, please go to S-EDGE sheet			
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available												

See footnotes for more detailed information
 US model(s) announced February 5 or February 19, 2013

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ThinkPad® Twist S230u (3347) - TopSeller

Personal Systems Reference (PSREF)

Type-model	Processor	Memory	Widescreen display	Camera	Disk SATA GB ⁵ rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN/ mSATA	SIM card	Top color	Blue-tooth	Bat-tery cells	Preload	Ann date (mm/yy)
3347-2PU	i3-2365M	2GB	12.5" HD <i>Multi</i>	720p	500G 7200	TP 11a/b/g/n ²⁸	16GB	None	Black	BT	8	Win8 Pro64	10/12
3347-79U	i3-2375M	2GB	12.5" HD <i>Multi</i>	720p	320G 7200	TP 11a/b/g/n ²⁸	16GB	None	Black	BT	8	Win8 Pro64	02/13

- **Small and medium business (SMB) model(s), part of the US TopSeller™ Program**
- **A depot repair service 1-year limited warranty**

Positioning Processor	<i>Convertible tablet; one spindle</i> Intel® Core™ i3-2365M processor (2 cores, 1.40GHz, 3MB Cache), Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), HT technology Intel Core i3-2375M processor (2 cores, 1.50GHz, 3MB Cache), Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), HT technology		Preloaded operating system ²⁰ - Windows® 8 Pro 64-bit Preloaded applications ¹⁴ (only some listed) <ul style="list-style-type: none">• Lenovo Support• Lenovo Companion• Lenovo Cloud Storage• Password Manager• Fingerprint Software (fingerprint models)• ThinkVantage System Update• Norton™ Internet Security (30 days of virus definitions)• Microsoft Office 2013 preloaded; purchase product key to activate• Skype™
Memory	2GB / PC3-10600 1333MHz DDR3 / soldered to systemboard, no SO-DIMM sockets		
Optical SATA disk	None Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™, removable, upgradable		
mSATA™ SSD	16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot		
Widescreen display	12.5" (317.5mm) HD (1366x768) TFT color, smudgeless and anti-reflective display with Corning® Gorilla® Glass, LED backlight, 350 nits, 16:9 aspect ratio, 500:1 contrast ratio, IPS, rotate and swivel hinge <i>Bottom buttons:</i> volume up / down and Windows buttons <i>Side buttons:</i> power and auto rotation buttons		
Multi-touch Camera	Projected Capacitive Touch (PCT) technology, supports 5-point multi-touch HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus		
Graphics	Intel HD Graphics 3000 in processor, supports external digital monitor via Mini HDMI and Mini DisplayPort; supports dual independent display; <i>Maximum external resolution:</i> 2560x1600 (Mini DisplayPort) @60Hz; 1920x1200 (Mini HDMI) @60Hz		
Keyboard TrackPoint®	6-row, 83-key, spill-resistant, multimedia Fn keys TrackPoint pointing device		
Touchpad	UltraNav™, buttonless touchpad below keyboard, Tap Zones, multi-touch		
Light sensor	Ambient light sensor		
ThinkLight™	None		
Dimensions ³	<i>8-cell:</i> 12.32" x 9.29" x 0.79"; 313mm x 236mm x 20mm		
Weight ²	<i>8-cell:</i> from 3.50 lb (1.60kg)		
Case material	<i>Display cover:</i> Magnesium + Polyphenylene sulfide (PPS); <i>Bottom:</i> Magnesium + PPS		
Battery - type	Integrated Li-Polymer 8-cell, HW Authentication		
Extended Battery	None		
Battery - life ¹⁰	<i>8-cell (42.4Whr):</i> up to 6.0 hr		
Chipset	Mobile Intel HM77 Express Chipset		
Multicard Reader	4-in-1 reader (SD, SDHC, SDXC, MMC)		
ExpressCard	None		
Smart Card Read	None		
Ports	Two USB 3.0, external monitor (mini-HDMI, mini-DisplayPort), ethernet (RJ-45)		
PCIe Mini Card	Two PCI Express Mini Card slots		
PCIe WLAN ⁴	11a/b/g/n, PCIe Half Mini Card, ThinkPad 11a/b/g/n, Wi-Fi + Bluetooth combo adapter, 2x2		
PCIe WWAN	None		
SIM card	None		
Modem	None		
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card		
Ethernet	Gigabit Network Connection Realtek® RTL8111F, PHY, PCIe x1		
Intel AMT	None		
Audio support	High Definition (HD) Audio, Realtek ALC3202 codec / stereo speakers, 2 watt x 2, Dolby® Home Theater® v4 certified / volume up, down, mute buttons / dual array microphone, combo audio/mic jack		
Security	Power-on password, hard disk password, supervisor password, security keyhole		
Security chip	Trusted Platform Module, TCG 1.2-compliant		
Fingerprint reader	None		
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available		

Supports ThinkVantage® technologies
65-watt AC Adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant GREENGUARD® certified ROHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²
For Lenovo ²² service upgrade options, please go to S-EDGE sheet

See footnotes for more detailed information
US model(s) announced October 23, 2012 or February 19, 2013

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(TANR1-2) February 2013

ThinkPad® Twist S230u Accessories

Personal Systems Reference (PSREF)

Memory

None

Storage and removable storage

ThinkPad 16GB mSATA Solid State Cache Drive	0B47309	ann	12/11/12
USB 2.0 Portable 320GB Hard Disk	45K1689	ann	03/17/09
USB 2.0 Portable 500GB Hard Disk	45K1690	ann	05/26/09
USB 2.0 Portable Secure 320GB Hard Disk	43R2019	ann	11/18/08
USB 3.0 Secure 500GB Hard Drive	0A65619	ann	11/29/11
USB 3.0 Secure 750GB Hard Drive	0A65616	ann	11/29/11
USB 3.0 Secure 1TB Hard Drive	0A65621	ann	08/28/12

ThinkPad Expansion

None

Keyboard

TrackPoint Cap Collection	73P2698	ann	12/16/03
Ultraslim Plus Wireless Keyboard and Mouse ⁵²	0A34032	ann	04/05/11
USB Numeric Keypad	33L3225	ann	05/01/00
Preferred Pro USB Keyboard	73P5220	ann	06/21/05
Enhanced Performance USB Keyboard	73P2620	ann	03/23/04
ThinkPad USB Keyboard with TrackPoint	55Y9003	ann	08/18/09
Lenovo USB Fingerprint Keyboard	73P4730	ann	02/22/05
Lenovo USB Smartcard Keyboard	51J0155	ann	03/24/09

Mouse

ThinkPad Bluetooth Laser Mouse	0A36407	ann	06/26/12
Lenovo Optical Mouse (USB)	06P4069	ann	05/21/03
Lenovo Laser Mouse (USB)	41U3074	ann	01/23/07
ThinkPad USB Laser Mouse	57Y4635	ann	12/15/09
Lenovo ScrollPoint® Mouse (USB, Optical)	31P7405	ann	08/27/02
ThinkPad Travel Mouse (USB, Optical)	31P7410	ann	06/04/02
Lenovo Wireless Laser Mouse ⁵²	0A36188	ann	12/20/11

⁵² Wireless via 2.4GHz technology using a micro-size USB receiver.

Security

Kensington® MicroSaver® Cable Lock	73P2582	ann	12/29/03
Kensington Twin Head Cable Lock	45K1620	ann	09/30/08
Lenovo Security Cable Lock	57Y4303	ann	08/24/10
USB Gemplus GemPC Smart Card Reader	41N3040	ann	02/21/06

Multimedia

ThinkPad In-Ear Headphones with mic	57Y4488	ann	01/07/10
Lenovo Mini Speakers M220	55Y2033	ann	01/07/10

Modem

USB 2.0 Lenovo Modem	43R1814	ann	02/26/08
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Power adapters

ThinkPad 65W AC Adapter ⁴⁵	40Y7696	ann	01/05/06
⁴⁵ Only compatible with the integrated graphics models.			
ThinkPad 90W AC Adapter	40Y7659	ann	09/20/05

More information at www.lenovopowertips.com

Carrying Cases

Up to 13.3" widescreen models: ThinkPad Ultraportable Case	41U5062	ann	05/13/08
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Up to 15.6" widescreen models: Lenovo Performance BackPack	41U5254	ann	05/01/07
ThinkPad Business Topload Case	43R2476	ann	05/13/08
ThinkPad Business Backpack	43R2482	ann	05/13/08
ThinkPad Deluxe Expander Case	43R2478	ann	05/13/08
ThinkPad Executive Leather Case	43R2480	ann	05/13/08
Lenovo Sport Backpack - Red	0A33896	ann	02/28/12
Lenovo Sport Slimcase - Red	0A33897	ann	02/28/12
Lenovo Sport Messenger - Red	0A33898	ann	02/28/12

More information at www.lenovo.com/support/cases

Monitors

ThinkVision LT2323p Wide 23" (VGA, DP, DVI-D) ⁶⁹	3024HB1	ann	09/13/11
Lenovo LS2023 Wide 20" (VGA, DVI)	3778HB2	ann	08/02/11
Lenovo LS1922 Wide 18.5" (VGA)	2580AF1	ann	08/02/11
Lenovo LS2223 Wide 21.5" (VGA, DVI)	3783HB2	ann	08/02/11
Lenovo LS2323 Wide 23" (VGA, DVI)	3794HB1	ann	08/02/11

More information at www.lenovo.com/support/monitors

Monitor Accessories⁴⁶

Lenovo Mini DisplayPort to VGA Adapter	0A36536	ann	05/17/11
Lenovo Mini DisplayPort to SL-DVI-D Adapter	0B47090	ann	06/12/12
Lenovo Mini DisplayPort to DisplayPort Cable	0B47091	ann	07/24/12
Kensington MicroSaver Cable Lock	73P2582	ann	12/29/03
Kensington Twin Head Cable Lock	45K1620	ann	09/30/08
Lenovo Security Cable Lock	57Y4303	ann	08/24/10

⁴⁶ Compatible on selected Lenovo and ThinkVision monitors.

More information at www.lenovo.com/support/monitoraccessories

For more information on accessories:

www.lenovo.com/accessories

Purchase Lenovo accessories

www.lenovo.com/support/accessories

Product specifications on Lenovo Support

www.lenovo.com/accessoriesguide

Option Compatibility Matrix (OCM) and accessory brochures

www.lenovoquickpick.com

An Options Compatibility Configurator for Lenovo systems



Lenovo® ThinkPad Edge E430



Lenovo ThinkPad Edge E430



Lenovo ThinkPad Edge E430



Lenovo ThinkPad Edge E430



Lenovo ThinkPad Edge E430c



Lenovo ThinkPad Edge E430

ThinkPad® Edge E430 3254 (Intel) - TopSeller

Personal Systems Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ^s rpm	PCle Mini Card WLAN / BT	PCle Mini Card WWAN /mSATA	Carrier	Top color	Finger-print reader	Bat-tery cells	Preload	Ann date (mm/yy)
3254-DNU	i3-2350M	4GBx1	14.0" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black aluminum	Finger	6	Pro 64	04/12
3254-AHU	i5-2450M	4+2GB	14.0" HD Glos	720p	500G 5400	TP 11b/g/n + BT	None	None	Matte black	Finger	6	Prem 64	04/12
3254-AGU	i3-2350M	4+2GB	14.0" HD Glos	720p	500G 5400	TP 11b/g/n + BT	None	None	Matte black	Finger	6	Prem 64	04/12
3254-AFU	i3-2350M	2GBx1	14.0" HD Glos	720p	320G 5400	TP 11b/g/n	None	None	Matte black		6	Prem 64	04/12
3254-AEU	i5-2450M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	None	Matte black	Finger	6	Pro 64	04/12
3254-ADU	i3-2350M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	None	Matte black	Finger	6	Pro 64	04/12
3254-ACU	i3-2350M	4GBx1	14.0" HD	720p	320G 7200	TP 11b/g/n	None	None	Matte black		6	Pro 64	04/12
3254-AMU	i5-2450M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	16GB	None	Black aluminum	Finger	6	Pro 64	04/12
3254-ALU	i3-2350M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	None	Black aluminum	Finger	6	Pro 64	04/12
3254-HJU	i5-2450M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	None	Black aluminum	Finger	6	Pro 64	05/12
• Small and medium business (SMB) model(s), part of the US TopSeller™ Program • Microsoft® Office 2010 Product Key Ready (O10PKR)													
Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; two spindles Intel® Core™ i3-2350M processor (dual-core, 2.30GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), HT technology Intel Core i5-2450M processor (dual-core, 2.50GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology									Preloaded operating system ²⁰ - Some: Genuine Windows® 7 Home Premium 64 - Some: Genuine Windows 7 Professional 64			
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller									Ready to install applications ¹⁴ (only some listed) • One Key Recovery Pro			
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™									Preloaded applications ¹⁴ (only some listed) • Access Connections™ • TrueSuite Fingerprint Software (includes password manager function) • ThinkVantage System Update • ThinkVantage Power Manager • ThinkVantage Tools • Lenovo SimpleTap • Norton™ Internet Security 2012 (30 days of virus definitions) • Adobe® Reader® • Skype™ for Windows • Corel® WinDVD® (DVD±RW) • Corel Burn.Now™ Lenovo Edition (DVD±RW) • Corel DVD MovieFactory® Lenovo Edition (DVD±RW)			
mSATA™ SSD	Some: 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot												
Widescreen display	Some: 14.0" (355mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 14.0" (355mm) HD (1366x768) color, VibrantView (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio												
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator												
Graphics	Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz												
Keyboard TrackPoint®	6-row, spill-resistant, multimedia Fn keys TrackPoint pointing device, Internet Scroll Bar ¹³												
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch												
ThinkLight™	None												
Dimensions ³	Matte black or Matte red (top): 14.0W" (WxDxH): 13.36" x 9.21" x 1.12-1.33"; 339.4 x 234mm x 28.5-33.9mm Black aluminum (top): 14.0W" (WxDxH): 13.36" x 9.21" x 1.08-1.29"; 339.4 x 234mm x 27.4-32.8mm												
Weight ²	6-cell: from 4.74 lb (2.15kg)												
Case color	Some: Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom Some: Black aluminum (top); black bottom												
Case material	Matte black or Matte red (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic Black aluminum (top): Aluminum												
Battery - type ³⁷	Lithium Ion 6-cell												
Battery - life ¹⁰	6-cell (48Whr): up to 6.4 hr												
Chipset	Mobile Intel HM77 Express Chipset												
ExpressCard	None												
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)												
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)												
PCle Mini Card WLAN ⁴	Two PCI Express Mini Card slots Some: 11b/g/n, PCle Half Mini Card, ThinkPad 11b/g/n, 1x1 Some: 11b/g/n, PCle Half Mini Card, ThinkPad 11b/g/n, Wi-Fi + Bluetooth combo adapter, 1x1 Some: 11b/g/n, PCle Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2												
WWAN	None												
Modem	None												
Bluetooth™	Some: Bluetooth 4.0 wireless, integrated in selected WLAN PCle Half Mini Card												
Ethernet	Realtek® RTL8111F Gigabit Network Connection												
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack												
Security	Power-on password, hard disk password, supervisor password, security keyhole												
Security chip	None												
Fingerprint reader	Some: UPEK Fingerprint reader on palm rest, swipe sensor												
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available												
										For compatible accessories, please go to O-E430 sheet;			
										For Lenovo ²² service upgrade options, please go to S-EDGE sheet			

See footnotes for more detailed information
US model(s) announced April 10 or May 22, 2012

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ThinkPad® Edge E430 3254 (Intel) - TopSeller - II

Personal Systems Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁸ rpm	PCle Mini Card WLAN / BT	PCle Mini Card WWAN /mSATA	Top color	Finger print reader	Battery cells	Battery /Wh	Preload	Ann date (mm/yy)
3254-HKU	i7-3612QM	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	Black aluminum	Finger	6	62	Pro 64	05/12
3254-GLU	i5-3210M	4+2GB	14.0" HD Glos	720p	750G 5400	Intel 2230 + BT	None	Black aluminum	Finger	6	48	Pro 64	06/12
3254-GKU	i5-3210M	4+2GB	14.0" HD Glos	720p	500G 7200	Intel 2230 + BT	None	Black aluminum	Finger	6	48	Pro 64	06/12
3254-GJU	i5-3210M	4GBx1	14.0" HD Glos	720p	500G 7200	Intel 2230 + BT	None	Black aluminum	Finger	6	48	Prem 64	06/12
3254-AKU	i5-3210M	4+2GB	14.0" HD Glos	720p	500G 5400	TP 11b/g/n + BT	None	Matte black	Finger	6	48	Prem 64	06/12
3254-AJU	i5-3210M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	Matte black	Finger	6	48	Pro 64	06/12
3254-ANU	i5-3210M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	Black aluminum	Finger	6	48	Pro 64	06/12
3254-LWU	i5-3210M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	16GB	Black aluminum	Finger	6	62	Pro 64	06/12
3254-HMU	i3-3110M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	Black aluminum	Finger	6	48	Pro 64	06/12
3254-HLU	i3-3110M	4GBx1	14.0" HD	720p	320G 7200	TP 11b/g/n	None	Matte black	None	6	48	Pro 64	06/12
3254-TNU	i3-3110M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	Matte black	Finger	6	48	Pro 64	07/12

- **Small and medium business (SMB) model(s), part of the US TopSeller™ Program**
- **Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; two spindles Intel® Core™ i3-3110M processor (dual-core, 2.40GHz, 3MB Cache) , DDR3 memory controller (up to 1600MHz), HT technology Intel Core i5-3210M processor (dual-core, 2.50GHz, 3MB Cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology Intel Core i7-3612QM processor (quad-core, 2.10GHz, 6MB Cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology								Preloaded operating system²⁰ - Some: Genuine Windows® 7 Home Premium 64 - Some: Genuine Windows 7 Professional 64 Ready to install applications¹⁴ (only some listed) • One Key Recovery Pro				
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets								Preloaded applications¹⁴ (only some listed) • Access Connections™ • TrueSuite Fingerprint Software (includes password manager function) • ThinkVantage System Update • ThinkVantage Power Manager • ThinkVantage Tools • Lenovo SimpleTap • Norton™ Internet Security 2012 (30 days of virus definitions) • Adobe® Reader® • Skype™ for Windows • Corel® WinDVD® (DVD±RW) • Corel Burn.Now™ Lenovo Edition (DVD±RW) • Corel DVD MovieFactory® Lenovo Edition (DVD±RW)				
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™												
mSATA™ SSD	Some: 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot												
Widescreen display	Some: 14.0" (355mm) HD (1366x768) color , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 14.0" (355mm) HD (1366x768) color , VibrantView (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio												
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator												
Graphics	Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz												
Keyboard TrackPoint®	6-row, spill-resistant, multimedia Fn keys												
Touchpad	TrackPoint pointing device, Internet Scroll Bar ¹³												
ThinkLight™	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch												
None	None												
Dimensions ³	Matte black or Matte red (top): 14.0W" (WxDxH): 13.36" x 9.21" x 1.12-1.33"; 339.4 x 234mm x 28.5-33.9mm Black aluminum (top): 14.0W" (WxDxH): 13.36" x 9.21" x 1.08-1.29"; 339.4 x 234mm x 27.4-32.8mm												
Weight ²	6-cell: from 4.74 lb (2.15kg)												
Case color	Some: Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom Some: Black aluminum (top); black bottom												
Case material	Matte black or Matte red (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic Black aluminum (top): Aluminum												
Battery - type ³⁷	Lithium Ion 6-cell												
Battery - life ¹⁰	6-cell (48Whr): up to 6.4 hr 6-cell (62Whr): up to 8.4 hr												
Chipset	Mobile Intel HM77 Express Chipset												
ExpressCard	None												
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)												
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)												
PCle Mini Card WLAN ⁴	Two PCI Express Mini Card slots Some: 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1 Some: 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, Wi-Fi + Bluetooth combo adapter, 1x1 Some: 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2								Supports ThinkVantage® technologies				
WWAN	None												
Modem	None												
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card												
Ethernet	Realtek® RTL8111F Gigabit Network Connection												
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack								65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²				
Security	Power-on password, hard disk password, supervisor password, security keyhole												
Security chip	None												
Fingerprint reader	Some: UPEK Fingerprint reader on palm rest, swipe sensor								For compatible accessories, please go to O-E430 sheet; For Lenovo ²² service upgrade options, please go to S-EDGE sheet				
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available												

See footnotes for more detailed information
US model(s) announced May 22, June 5, June 26 or July 31, 2012

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(LEE1-2) September 2012

ThinkPad® Edge E430 3254 (Intel) - TopSeller (Windows 8)

Personal Systems Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	Top color	Finger-print reader	Bat-tery cells	Bat-tery /Wh	Preload	Ann date (mm/yy)
3254-T3U	i3-3110M	4GBx1	14.0" HD Glos	720p	500G 7200	Intel 2230 + BT	None	Black alum	Finger	6	48	Win8 Pro64	10/12
3254-T2U	i5-3210M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	Matte black	Finger	6	48	Win8 Pro64	10/12
3254-T1U	i3-3110M	4GBx1	14.0" HD	720p	320G 7200	Intel 2230 + BT	None	Matte black	Finger	6	48	Win8 Pro64	10/12
3254-TQU	i5-3210M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	Matte black	Finger	6	48	Win8 64	10/12
3254-TPU	i3-3110M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	Matte black	Finger	6	48	Win8 64	10/12
3254-TMU	i5-3210M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	16GB	Black alum	Finger	6	62	Win8 Pro64	10/12

• Small and medium business (SMB) model(s), part of the US TopSeller™ Program

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; two spindles Intel® Core™ i3-3110M processor (2 cores, 2.40GHz, 3MB cache), Intel HD Graphics 4000 , DDR3 memory controller (up to 1600MHz), HT technology Intel Core i5-3210M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000 , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology			Preloaded operating system ²⁰ - Some: Windows® 8 64-bit - Some: Windows 8 Pro 64-bit Preloaded applications ¹⁴ (only some listed) • Lenovo Support • Lenovo Companion • Lenovo Cloud Storage • Password Manager • Fingerprint Software (fingerprint models) • ThinkVantage System Update • Norton™ Internet Security (30 days of virus definitions) • Microsoft Office 2013 preloaded; purchase product key to activate • Skype™
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets			
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™ Some: 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot			
mSATA™ SSD				
Widescreen display	Some: 14.0" (355mm) HD (1366x768) color , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 14.0" (355mm) HD (1366x768) color , VibrantView (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio HD720p resolution, face track, low light sensitive, fixed focus, LED indicator			
Camera				
Graphics	Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz			
Keyboard	6-row, spill-resistant, multimedia Fn keys			
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar ¹³			
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch			
ThinkLight™	None			
Dimensions ³	Matte black or Matte red (top): 14.0W" (WxDxH): 13.36" x 9.21" x 1.12-1.33"; 339.4 x 234mm x 28.5-33.9mm Black aluminum (top): 14.0W" (WxDxH): 13.36" x 9.21" x 1.08-1.29"; 339.4 x 234mm x 27.4-32.8mm			
Weight ²	6-cell: from 4.74 lb (2.15kg)			
Case color	Some: Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom Some: Black aluminum (top); black bottom			
Case material	Matte black or Matte red (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic Black aluminum (top): Aluminum			
Battery - type ³⁷	Lithium Ion 6-cell			
Battery - life ¹⁰	6-cell (48Whr): up to 6.4 hr 6-cell (62Whr): up to 8.4 hr			
Chipset	Mobile Intel HM77 Express Chipset			
ExpressCard	None			
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)			
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)			
PCIe Mini Card WLAN ⁴	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2			Supports ThinkVantage® technologies
WWAN	None			65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²
Modem	None			
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card			
Ethernet	Realtek® RTL8111F Gigabit Network Connection			
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack			
Security	Power-on password, hard disk password, supervisor password, security keyhole			For compatible accessories, please go to O-E430 sheet; For Lenovo ²² service upgrade options, please go to S-EDGE sheet
Security chip	None			
Fingerprint reader	UPEK Fingerprint reader on palm rest, swipe sensor			
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available			

See footnotes for more detailed information
US model(s) announced October 23, 2012

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(LEE1-5) October 2012

ThinkPad® Edge E430 6271 (Intel) - TopSeller (Windows 8)

Personal Systems Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	Top color	Finger print reader	Bat-tery cells	Bat-tery /Wh	Preload	Ann date (mm/yy)
6271-5JU	i3-3120M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	Matte black	Finger	6	48	Win8 64	10/12
6271-5HU	i3-3120M	4GBx1	14.0" HD	720p	320G 7200	Intel 2230 + BT	None	Matte black	Finger	6	48	Win8 Pro64	10/12
6271-5KU	i3-3120M	4GBx1	14.0" HD Glos	720p	500G 7200	Intel 2230 + BT	None	Black alum	Finger	6	48	Win8 Pro64	10/12
6271-5GU	i5-3210M	4+2GB	14.0" HD Glos	720p	750G 5400	Intel 2230 + BT	None	Black alum	Finger	6	48	Win8 Pro64	10/12
6271-56U	i5-3210M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	Matte black	Finger	6	48	Win7 Pro64	10/12
6271-55U	i3-3120M	4GBx1	14.0" HD	720p	320G 7200	Intel 2230 + BT	None	Matte black	None	6	48	Win7 Pro64	10/12
6271-58U	i5-3210M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	16GB	Black alum	Finger	6	62	Win7 Pro64	10/12
6271-57U	i3-3120M	4GBx1	14.0" HD	720p	320G 7200	Intel 2230 + BT	None	Black alum	Finger	6	48	Win7 Pro64	10/12
6271-72U	i7-3612QM	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	Matte black	Finger	6	48	Win7 Pro64	11/12
6271-62U	i7-3612QM	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	Matte black	Finger	6	48	Win8 Pro64	11/12
6271-69U	i7-3632QM	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	Matte black	Finger	6	62	Win7 Pro64	11/12
6271-9FU	i3-3130M	4GBx1	14.0" HD	720p	320G 7200	Intel 2230 + BT	None	Matte black	None	6	48	Win7 Pro64	02/13
6271-9EU	i5-3230M	4+2GB	14.0" HD	720p	750G 5400	Intel 2230 + BT	None	Matte black	Finger	6	48	Win7 Pro64	02/13
6271-9DU	i5-3230M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	Matte black	Finger	6	48	Win7 Pro64	02/13
Positioning Processor	<i>Sophisticated design with quality, durability and reliability for SMB customers; two spindles</i> Intel® Core™ i3-3120M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), HT technology Intel Core i3-3130M processor (2 cores, 2.60GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), HT technology Intel Core i5-3210M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology Intel Core i5-3230M processor (2 cores, 2.60GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology Intel Core i7-3612QM processor (4 cores, 2.10GHz, 6MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology Intel Core i7-3632QM processor (4 cores, 2.20GHz, 6MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology								Preloaded operating system²⁰ - Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit - Some: Windows 8 64-bit - Some: Windows 8 Pro 64-bit Preloaded applications (only some listed) - Windows 7 models • Access Connections™ • ThinkVantage Power Manager • ThinkVantage Tools • Lenovo SimpleTap • Adobe® Reader® • Microsoft Office 2010 preloaded; purchase product key to activate - Windows 8 models • Lenovo Support • Lenovo Companion • Lenovo Cloud Storage • Microsoft Office 2013 preloaded; purchase product key to activate - All models • ThinkVantage System Update • Norton™ Internet Security (30 days of virus definitions) • Skype™				
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets												
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™												
mSATA™ SSD	Some: 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot												
Widescreen display	Some: 14.0" (355mm) HD (1366x768) color , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 14.0" (355mm) HD (1366x768) color , VibrantView (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio HD720p resolution, face track, low light sensitive, fixed focus, LED indicator												
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator												
Graphics	Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536 (VGA) @75Hz; 1920x1200 (HDMI) @60Hz												
Keyboard	6-row, spill-resistant, multimedia Fn keys												
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar ¹³												
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch												
ThinkLight™	None												
Dimensions ³	Matte black or Matte red (top): 14.0W" (WxDxH): 13.36" x 9.21" x 1.12-1.33"; 339.4 x 234mm x 28.5-33.9mm Black aluminum (top): 14.0W" (WxDxH): 13.36" x 9.21" x 1.08-1.29"; 339.4 x 234mm x 27.4-32.8mm												
Weight ²	6-cell: from 4.74 lb (2.15kg)												
Case color	Some: Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom Some: Black aluminum (top); black bottom												
Case material	Matte black or Matte red (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic Black aluminum (top): Aluminum												
Battery - type ³⁷	Lithium Ion 6-cell												
Battery - life ¹⁰	6-cell (48Whr): up to 6.4 hr 6-cell (62Whr): up to 8.4 hr												
Chipset	Mobile Intel HM77 Express Chipset												
ExpressCard	None												
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)												
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)												
PCIe Mini Card WLAN ⁴	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2								Supports ThinkVantage® technologies				
WWAN	None								65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²				
Modem	None												
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card												
Ethernet	Realtek® RTL8111F Gigabit Network Connection												
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack												
Security	Power-on password, hard disk password, supervisor password, security keyhole								For compatible accessories, please go to O-E430 sheet;				
Security chip	None												
Fingerprint reader	Some: UPEK Fingerprint reader on palm rest, swipe sensor								For Lenovo ²² service upgrade options, please go to S-EDGE sheet				
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available												

See footnotes for more detailed information

US model(s) announced October 23 or November 6, 2012 or February 5, 2013

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(LEE1-3) February 2013

ThinkPad® Edge E430 6271 (Intel) - Optimus (TopSeller) - Windows 8

Personal Systems Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	Top color	Finger print reader	Bat-tery cells	Bat-tery /Wh	Preload	Ann date (mm/yy)
6271-59U	i5-3210M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	16GB	Black alum	Finger	6	62	Win7 Pro64	10/12

• Small and medium business (SMB) model(s), part of the US TopSeller™ Program

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; two spindles Intel® Core™ i5-3210M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology			Preloaded operating system ²⁰ - Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Ready to install applications ¹⁴ (only some listed) • One Key Recovery Pro Preloaded applications ¹⁴ (only some listed) • Access Connections™ • TrueSuite Fingerprint Software (includes password manager function) • ThinkVantage System Update • ThinkVantage Power Manager • ThinkVantage Tools • Lenovo SimpleTap • Norton™ Internet Security 2012 (30 days of virus definitions) • Adobe® Reader® • Skype™ • Corel® WinDVD® (DVD±RW) • Corel Burn.Now™ Lenovo Edition (DVD±RW) • Corel DVD MovieFactory® Lenovo Edition (DVD±RW) • Microsoft Office 2010 preloaded; purchase product key to activate
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets			
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™			
mSATA™ SSD	16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot			
Widescreen display	14.0" (355mm) HD (1366x768) color , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio			
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator			
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 in processor, and NVIDIA GeForce® 610M, PCI Express® x16, 1GB memory, DirectX® 11, NVIDIA PureVideo® HD technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz			
Keyboard	6-row, spill-resistant, multimedia Fn keys			
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar ¹³			
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch			
ThinkLight™	None			
Dimensions ³	Matte black or Matte red (top): 14.0W" (WxDxH): 13.36" x 9.21" x 1.12-1.33"; 339.4 x 234mm x 28.5-33.9mm Black aluminum (top): 14.0W" (WxDxH): 13.36" x 9.21" x 1.08-1.29"; 339.4 x 234mm x 27.4-32.8mm			
Weight ²	6-cell: from 4.74 lb (2.15kg)			
Case color	Some: Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom Some: Black aluminum (top); black bottom			
Case material	Matte black or Matte red (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic Black aluminum (top): Aluminum			
Battery - type ³⁷	Lithium Ion 6-cell			
Battery - life ¹⁰	6-cell (48Whr): up to 6.4 hr 6-cell (62Whr): up to 8.4 hr			
Chipset	Mobile Intel HM77 Express Chipset			
ExpressCard	None			
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)			
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)			
PCIe Mini Card WLAN ⁴	Two PCI Express Mini Card slots 1b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2			
WWAN	None			
Modem	None			
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card			
Ethernet	Realtek® RTL8111F Gigabit Network Connection			
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack			
Security	Power-on password, hard disk password, supervisor password, security keyhole			
Security chip	None			
Fingerprint reader	UPEK Fingerprint reader on palm rest, swipe sensor			
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available			

Supports ThinkVantage® technologies
90-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²
For compatible accessories, please go to O-E430 sheet;
For Lenovo ²² service upgrade options, please go to S-EDGE sheet

See footnotes for more detailed information
US model(s) announced October 23, 2012

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(LEE1-4) October 2012

ThinkPad® Edge E430c 3365 (Intel) - TopSeller

Personal Systems Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ³ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	Carrier	Top color	Finger-print reader	Bat-tery cells	Preload	Ann date (mm/yy)
3365-49U	i3-2328M	4GBx1	14.0" HD	0.3M	320G 5400	TP 11b/g/n	None	None	Black textured	None	6	Pro 64	08/12
3365-47U	i3-2328M	2GBx1	14.0" HD	0.3M	320G 5400	TP 11b/g/n	None	None	Black textured	None	6	Pro 64	08/12

- **Small and medium business (SMB) model(s), part of the US TopSeller™ Program**
- **Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<i>Sophisticated design with quality, durability and reliability for SMB customers; two spindles</i> Intel® Core™ i3-2328M processor (dual-core, 2.20GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), HT technology									Preloaded operating system²⁰ - Genuine Windows 7 Professional 64			
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller									Ready to install applications¹⁴ (only some listed) • One Key Recovery Pro			
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™									Preloaded applications¹⁴ (only some listed) • Access Connections™ • TrueSuite Fingerprint Software (includes password manager function) • ThinkVantage System Update • ThinkVantage Power Manager • ThinkVantage Tools • Lenovo SimpleTap • Norton™ Internet Security 2012 (30 days of virus definitions) • Adobe® Reader® • Skype™ for Windows • Corel® WinDVD® (DVD±RW) • Corel Burn.Now™ Lenovo Edition (DVD±RW) • Corel DVD MovieFactory® Lenovo Edition (DVD±RW)			
mSATA™ SSD	None												
Widescreen display	14.0" (355mm) HD (1366x768) color , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio												
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, low light sensitive, LED indicator												
Graphics	Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; <i>Max external resolution: 2048x1536 (VGA) @75Hz; 1920x1200 (HDMI) @60Hz</i>												
Keyboard	6-row, spill-resistant, multimedia Fn keys												
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar ¹³												
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch												
ThinkLight™	None												
Dimensions ³	<i>Black textured (top):</i> 14.0W" (WxDxH): 13.36" x 9.21" x 1.12-1.33"; 339.4 x 234mm x 28.5-33.9mm												
Weight ²	6-cell: from 4.74 lb (2.15kg)												
Case color	Black textured (top); black bottom												
Case material	<i>Black textured (top):</i> Acrylonitrile-Butadiene-Styrene (ABS) plastic												
Battery - type ³⁷	Lithium Ion 6-cell												
Battery - life ¹⁰	6-cell (48Whr): up to 6.4 hr												
Chipset	Mobile Intel HM77 Express Chipset												
ExpressCard	None												
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)												
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)												
PCIe Mini Card WLAN ⁴	Two PCI Express Mini Card slots												
WWAN	11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1												
Modem	None												
Bluetooth™	None												
Ethernet	Realtek® RTL8111F Gigabit Network Connection												
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack												
Security	Power-on password, hard disk password, supervisor password, security keyhole												
Security chip	None												
Fingerprint reader	None												
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available												

See footnotes for more detailed information
US model(s) announced August 7, 2012

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(LEE1c-1) September 2012

ThinkPad® Edge E430c 3365 (Intel) - TopSeller (Windows 8)

Personal Systems Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	Carrier	Top color	Finger-print reader	Bat-tery cells	Preload	Ann date (mm/yy)
3365-4YU	i3-2328M	4GBx1	14.0" HD	720p	500G 5400	Intel 2230 + BT	None	None	Black textured	None	6	Win7 Pro64	10/12
3365-4XU	i3-2328M	2GBx1	14.0" HD	720p	320G 5400	Intel 2230 + BT	None	None	Black textured	None	6	Win7 Pro64	10/12
3365-4AU	i3-2328M	4GBx1	14.0" HD	720p	320G 5400	Intel 2230 + BT	None	None	Black textured	None	6	Win8 Pro64	10/12
3365-48U	i3-2328M	2GBx1	14.0" HD	720p	320G 5400	Intel 2230 + BT	None	None	Black textured	None	6	Win8 Pro64	10/12
3365-74U	i3-2348M	4+2GB	14.0" HD	Glos 720p	750G 5400	Intel 2230 + BT	None	None	Black textured	None	6	Win8 Pro64	01/13
3365-73U	i3-2348M	4GBx1	14.0" HD	720p	320G 5400	Intel 2230 + BT	None	None	Black textured	None	6	Win8 Pro64	01/13
3365-72U	i3-2348M	4GBx1	14.0" HD	720p	500G 5400	Intel 2230 + BT	None	None	Black textured	None	6	Win8 Pro64	01/13
3365-6ZU	i3-2348M	4+2GB	14.0" HD	Glos 720p	750G 5400	Intel 2230 + BT	None	None	Black textured	None	6	Win7 Pro64	01/13
3365-6YU	i3-2348M	4GBx1	14.0" HD	720p	320G 5400	Intel 2230 + BT	None	None	Black textured	None	6	Win7 Pro64	01/13
3365-6XU	i3-2348M	2GBx1	14.0" HD	720p	320G 5400	Intel 2230 + BT	None	None	Black textured	None	6	Win7 Pro64	01/13
3365-6WU	i3-2348M	4GBx1	14.0" HD	720p	500G 5400	Intel 2230 + BT	None	None	Black textured	None	6	Win7 Pro64	01/13

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; two spindles Intel® Core™ i3-2328M processor (2 cores, 2.20GHz, 3MB cache), Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), HT technology Intel Core i3-2348M processor (2 cores, 2.30GHz, 3MB cache), Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), HT technology			Preloaded operating system ²⁰ - Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit - Some: Windows 8 Pro 64-bit Preloaded applications (only some listed) - Windows 7 models <ul style="list-style-type: none">• Access Connections™• ThinkVantage Power Manager• ThinkVantage Tools• Lenovo SimpleTap• Adobe® Reader®• Microsoft Office 2010 preloaded; purchase product key to activate - Windows 8 models <ul style="list-style-type: none">• Lenovo Support• Lenovo Companion• Lenovo Cloud Storage• Microsoft Office 2013 preloaded; purchase product key to activate - All models <ul style="list-style-type: none">• ThinkVantage System Update• Norton™ Internet Security (30 days of virus definitions)• Skype™
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller			
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™			
mSATA™ SSD	None			
Widescreen display	Some: 14.0" (355mm) HD (1366x768) color , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 14.0" (355mm) HD (1366x768) color , VibrantView (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio			
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator			
Graphics	Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz			
Keyboard TrackPoint®	6-row, spill-resistant, multimedia Fn keys			
Touchpad	TrackPoint pointing device, Internet Scroll Bar ¹³			
ThinkLight™	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch			
Dimensions ³	Black textured (top): 14.0W" (WxDxH): 13.36" x 9.21" x 1.12-1.33"; 339.4 x 234mm x 28.5-33.9mm			
Weight ²	6-cell: from 4.74 lb (2.15kg)			
Case color	Black textured (top); black bottom			
Case material	Black textured (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic			
Battery - type ³⁷	Lithium Ion 6-cell			
Battery - life ¹⁰	6-cell (48Whr): up to 6.4 hr			
Chipset	Mobile Intel HM77 Express Chipset			
ExpressCard	None			
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)			
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)			
PCIe Mini Card WLAN ⁴	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2			
WWAN	None			
Modem	None			
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card			
Ethernet	Realtek® RTL8111F Gigabit Network Connection			
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack			
Security	Power-on password, hard disk password, supervisor password, security keyhole			
Security chip	None			
Fingerprint reader	None			
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available			

Supports ThinkVantage® technologies			
65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹⁷ 24 hour x 7 day¹⁸ toll-free support during the warranty period¹²			
For compatible accessories, please go to O-E430 sheet; For Lenovo²² service upgrade options, please go to S-EDGE sheet			

See footnotes for more detailed information
US model(s) announced October 23, 2012 or January 15, 2013

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(LEE1c-2) February 2013

ThinkPad® Edge E430 Accessories

Personal Systems Reference (PSREF)

Memory

2GB PC3-12800 DDR3 SODIMM	0A65722	ann	06/05/12
4GB PC3-12800 DDR3 SODIMM	0A65723	ann	06/05/12

Storage and removable storage

ThinkPad 16GB mSATA Solid State Cache Drive	0B47309	ann	12/11/12
USB 2.0 Portable 320GB Hard Disk	45K1689	ann	03/17/09
USB 2.0 Portable 500GB Hard Disk	45K1690	ann	05/26/09
USB 3.0 Secure 500GB Hard Drive	0A65619	ann	11/29/11
USB 3.0 Secure 750GB Hard Drive	0A65616	ann	11/29/11
USB 3.0 Secure 1TB Hard Drive	0A65621	ann	08/28/12

ThinkPad Expansion

Lenovo® Essential Notebook Stand	45J9292	ann	05/12/09
USB 2.0 Port Replicator with Digital Video	0A33942	ann	03/22/11

Keyboard

TrackPoint Cap Collection	73P2698	ann	12/16/03
UltraSlim Plus Wireless Keyboard and Mouse ⁵²	0A34032	ann	04/05/11
⁵² Wireless via 2.4GHz technology using a micro-size USB receiver.			
USB Numeric Keypad	33L3225	ann	05/01/00
Preferred Pro USB Keyboard	73P5220	ann	06/21/05
Enhanced Performance USB Keyboard	73P2620	ann	03/23/04
ThinkPad USB Keyboard with TrackPoint	55Y9003	ann	08/18/09
Lenovo USB Fingerprint Keyboard	73P4730	ann	02/22/05
Lenovo USB Smartcard Keyboard	51J0155	ann	03/24/09

Mouse

ThinkPad Bluetooth Laser Mouse	0A36407	ann	06/26/12
Lenovo Optical Mouse (USB)	06P4069	ann	05/21/03
Lenovo Laser Mouse (USB)	41U3074	ann	01/23/07
ThinkPad USB Laser Mouse	57Y4635	ann	12/15/09
Lenovo ScrollPoint® Mouse (USB, Optical)	31P7405	ann	08/27/02
ThinkPad Travel Mouse (USB, Optical)	31P7410	ann	06/04/02
Lenovo Wireless Laser Mouse ⁵²	0A36188	ann	12/20/11
⁵² Wireless via 2.4GHz technology using a micro-size USB receiver.			

Security

3M 14.0W Privacy Filter from Lenovo	0A61769	ann	04/05/11
Kensington® MicroSaver® Cable Lock	73P2582	ann	12/29/03
Kensington Twin Head Cable Lock	45K1620	ann	09/30/08
Lenovo Security Cable Lock	57Y4303	ann	08/24/10
USB Gemplus GemPC Smart Card Reader	41N3040	ann	02/21/06

Multimedia

ThinkPad In-Ear Headphones with mic	57Y4488	ann	01/07/10
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Modem

USB 2.0 Lenovo Modem	43R1814	ann	02/26/08
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Batteries³⁷

ThinkPad Battery 75+ (6-cell)	0A36311	ann	04/10/12
ThinkPad External Battery Charger ⁴⁴	40Y7625	ann	09/20/05

⁴⁴ Requires the *ThinkPad 90W AC Adapter 40Y7659* or the adapter provided with the system.

More information at www.lenovo.com/alldaycomputing

ThinkPad 65W AC Adapter ⁴⁵	40Y7696	ann	01/05/06
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⁴⁵ Only compatible with the integrated graphics models.

ThinkPad 90W AC Adapter	40Y7659	ann	09/20/05
90W UltraSlim AC/DC Combo Adapter	41R4493	ann	09/22/09

More info at www.lenovo.com/support/poweradapters

Charging tips for 90W UltraSlim AC/DC Combo Adapter 41R4493

• iPod and iPhone Charge Tip (L10a)	41R4481	ann	12/18/07
• Generic Micro USB charge tip (L18)	41R4490	ann	01/06/09

More information at www.lenovopowertips.com

Carrying Cases

Up to 15.6" widescreen models:

Lenovo Messenger Max	41U5253	ann	05/01/07
Lenovo Performance Backpack	41U5254	ann	05/01/07
ThinkPad Business Topload Case	43R2476	ann	05/13/08
ThinkPad Business Backpack	43R2482	ann	05/13/08
ThinkPad Deluxe Expander Case	43R2478	ann	05/13/08
ThinkPad Executive Leather Case	43R2480	ann	05/13/08
Lenovo Sport Backpack - Red	0A33896	ann	02/28/12
Lenovo Sport Slimcase - Red	0A33897	ann	02/28/12
Lenovo Sport Messenger - Red	0A33898	ann	02/28/12
Lenovo Sport Backpack - Blue	0B47298	ann	08/28/12
Lenovo Sport Slimcase - Blue	0B47300	ann	08/28/12
Lenovo Sport Messenger - Blue	0B47299	ann	08/28/12
Lenovo Sport Backpack - Grey	0B47301	ann	08/28/12
Lenovo Sport Slimcase - Grey	0B47303	ann	08/28/12
Lenovo Sport Messenger - Grey	0B47302	ann	08/28/12

More information at www.lenovo.com/support/cases

Monitors

ThinkVision L1900p 19" (VGA, DVI-D)	4431HE1	ann	11/11/08
ThinkVision LT1952p Wide 19" (VGA, DP, DVI-D) ⁶⁹	2448MB6	ann	09/13/11
ThinkVision L2250p Wide 22" (VGA, DVI-D)	2572HB6	ann	10/20/09
ThinkVision L2251x Wide 22" (VGA, DP)	2578HB6	ann	10/20/09
ThinkVision LT2252p Wide 22" (VGA, DP, DVI-D) ⁶⁹	2572MB6	ann	09/13/11
ThinkVision LT2452p Wide 24" (VGA, DP, DVI-D) ⁶⁹	4420MB2	ann	09/13/11

⁶⁹ DisplayPort cable is not included.

ThinkVision LT1421 Wide 14" Mobile Monitor with Protective Screen Cover (USB 2.0)	1452DS6	ann	08/16/11
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More information at www.lenovo.com/support/monitors

Monitor Accessories⁴⁶

Lenovo USB Soundbar	0A36190	ann	05/01/12
Lenovo HDMI to HDMI Monitor Cable	0B47070	ann	05/22/12
Lenovo HDMI to VGA Monitor Cable	0B47069	ann	06/26/12
Lenovo USB 3.0 to DVI/VGA Monitor Adapter	0B47072	ann	08/14/12
Kensington MicroSaver Cable Lock	73P2582	ann	12/29/03
Kensington Twin Head Cable Lock	45K1620	ann	09/30/08
Lenovo Security Cable Lock	57Y4303	ann	08/24/10
Lenovo Easy Reach Monitor Stand	55Y9258	ann	09/22/09

⁴⁶ Compatible on selected Lenovo and ThinkVision monitors.

More information at www.lenovo.com/support/monitoraccessories

For more information on accessories:

www.lenovo.com/accessories

Purchase Lenovo accessories

www.lenovo.com/support/accessories

Product specifications on Lenovo Support

www.lenovo.com/accessoriesguide

Option Compatibility Matrix (OCM) and accessory brochures

www.lenovoquickpick.com

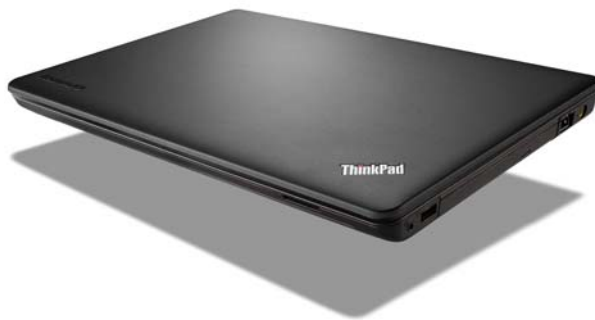
An Options Compatibility Configurator for Lenovo systems



Lenovo® ThinkPad Edge E530



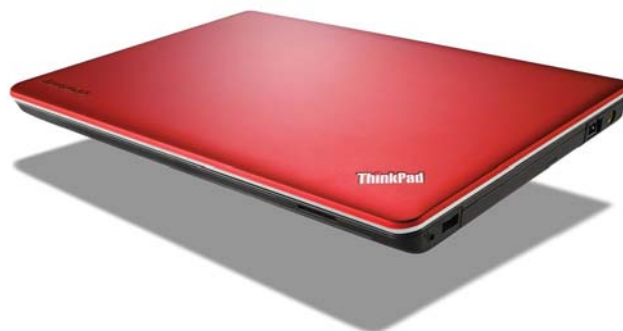
Lenovo ThinkPad Edge E530



Lenovo ThinkPad Edge E530c



Lenovo ThinkPad Edge E530 and E530c
with Numeric Keypad
(Matte black, Matte red, Matte blue or Black textured)



Lenovo ThinkPad Edge E530



Lenovo ThinkPad Edge E530
without Numeric Keypad
(Black aluminum)

ThinkPad® Edge E530 3259 (Intel) - TopSeller

Personal Systems Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁸ rpm	PCle Mini Card WLAN / BT	PCle Mini Card WWAN / mSATA	Numeric Keypad	Top color	Finger print reader	Battery cells	Preload	Ann date (mm/yy)
3259-BSU	i5-2450M	4GBx1	15.6" HD	720p	750G 5400	Intel 2230 + BT	None	Numpad	Matte black	Finger	6	Pro 64	04/12
3259-BRU	i3-2350M	4GBx1	15.6" HD	720p	320G 7200	Intel 2230 + BT	None	Numpad	Black alum	Finger	6	Pro 64	04/12
3259-78U	i3-2350M	4GBx1	15.6" HD	720p	320G 7200	TP 11b/g/n	None	Numpad	Matte black		6	Pro 64	04/12
3259-79U	i3-2350M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	Numpad	Matte black	Finger	6	Pro 64	04/12
3259-7AU	i5-2450M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	Numpad	Matte black	Finger	6	Pro 64	04/12
3259-7DU	i3-2350M	2GBx1	15.6" HD Glos	720p	320G 5400	TP 11b/g/n	None	Numpad	Matte black		6	Prem 64	04/12
3259-7EU	i3-2350M	4+2GB	15.6" HD Glos	720p	500G 5400	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Prem 64	04/12
3259-7FU	i5-2450M	4+2GB	15.6" HD Glos	720p	500G 5400	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Prem 64	04/12
3259-7HU	i3-2350M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Black alum	Finger	6	Pro 64	04/12
3259-7JU	i5-2450M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	16GB	None	Black alum	Finger	6	Pro 64	04/12
3259-ELU	i5-2450M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Black alum	Finger	6	Pro 64	05/12

- **Small and medium business (SMB) model(s), part of the US TopSeller™ Program**
- **Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; two spindles Intel® Core™ i3-2350M processor (dual-core, 2.30GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), HT technology Intel Core i5-2450M processor (dual-core, 2.50GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology		Preloaded operating system ²⁰ - <i>Some:</i> Genuine Windows® 7 Home Premium 64 - <i>Some:</i> Genuine Windows 7 Professional 64 Ready to install applications ¹⁴ (only some listed) • One Key Recovery Pro Preloaded applications ¹⁴ (only some listed) • Access Connections™ • TrueSuite Fingerprint Software (includes password manager function) • ThinkVantage System Update • ThinkVantage Power Manager • ThinkVantage Tools • Lenovo SimpleTap • Norton™ Internet Security 2012 (30 days of virus definitions) • Adobe® Reader® • Skype™ for Windows • Corel® WinDVD® (DVD±RW) • Corel Burn.Now™ Lenovo Edition (DVD±RW) • Corel DVD MovieFactory® Lenovo Edition (DVD±RW)
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller		
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™ <i>Some:</i> 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot		
mSATA™ SSD			
Widescreen display	<i>Some:</i> 15.6" (396mm) HD (1366x768) color , anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio <i>Some:</i> 15.6" (396mm) HD (1366x768) color , VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio		
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator		
Graphics	Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; <i>Max external resolution:</i> 2048x1536 (VGA) @75Hz; 1920x1200 (HDMI)@60Hz		
Keyboard	<i>Matte black or Matte red (top):</i> 6-row, spill-resistant, multimedia Fn keys, numeric keypad <i>Black aluminum (top):</i> 6-row, spill-resistant, multimedia Fn keys		
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar ¹³		
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch		
ThinkLight™	None		
Dimensions ³	<i>Matte black or Matte red (top):</i> 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm <i>Black aluminum (top):</i> 15.6W" (WxDxH): 14.84" x 9.65" x 1.12-1.35"; 377 x 245mm x 28.5-34.3mm		
Weight ²	<i>6-cell:</i> from 5.4 lb (2.45kg)		
Case color	<i>Some:</i> Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom <i>Some:</i> Black aluminum (top); black bottom		
Case material	<i>Matte black or Matte red (top):</i> Acrylonitrile-Butadiene-Styrene (ABS) plastic <i>Black aluminum (top):</i> Aluminum		
Battery - type ³⁷	Lithium Ion 6-cell		
Battery - life ¹⁰	<i>6-cell (48Whr):</i> up to 5.7 hr		
Chipset	Mobile Intel HM77 Express Chipset		
ExpressCard	None		
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)		
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)		
PCIe Mini Card WLAN ⁴	Two PCI Express Mini Card slots <i>Some:</i> 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1 <i>Some:</i> 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, Wi-Fi + Bluetooth combo adapter, 1x1 <i>Some:</i> 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2		
WWAN	None		
Modem	None		
Bluetooth™	<i>Some:</i> Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card		
Ethernet	Realtek® RTL8111F Gigabit Network Connection		
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2 / Stereo digital microphone, combo audio/mic jack		
Security	Power-on password, hard disk password, supervisor password, security keyhole		
Security chip	None		
Fingerprint reader	<i>Some:</i> UPEK Fingerprint reader on palm rest, swipe sensor		
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available		

See footnotes for more detailed information
US model(s) announced April 10 or May 22, 2012

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(GLN1-1) September 2012

ThinkPad® Edge E530 3259 (Intel) - TopSeller - II

Personal Systems Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁸ rpm	PCle Mini Card WLAN / BT	PCle Mini Card WWAN /mSATA	Card Numeric Keypad	Top color	Finger print reader	Bat- tery cells	Bat- tery /Wh	Preload (mm/yy)	Ann date
3259-7LU	i7-3612QM	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	16GB	None	Black alum	Finger	6	62	Pro 64	05/12
3259-7CU	i7-3612QM	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT		Numpad	Matte black	Finger	6	62	Pro 64	05/12
3259-EMU	i7-3612QM	4GBx1	15.6" HD Glos	720p	500G 7200	Intel 2230 + BT		None	Black alum	Finger	6	62	Pro 64	05/12
3259-DWU	i5-3210M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	16GB	None	Black alum	Finger	6	62	Pro 64	06/12
3259-DVU	i5-3210M	4+2GB	15.6" HD Glos	720p	750G 5400	Intel 2230 + BT		None	Black alum	Finger	6	48	Pro 64	06/12
3259-DUU	i5-3210M	4+2GB	15.6" HD Glos	720p	500G 7200	Intel 2230 + BT		None	Black alum	Finger	6	48	Pro 64	06/12
3259-DTU	i5-3210M	4GBx1	15.6" HD Glos	720p	500G 7200	Intel 2230 + BT		None	Black alum	Finger	6	48	Prem 64	06/12
3259-7BU	i5-3210M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT		Numpad	Matte black	Finger	6	48	Pro 64	06/12
3259-7GU	i5-3210M	4+2GB	15.6" HD Glos	720p	500G 5400	TP 11b/g/n + BT		Numpad	Matte black	Finger	6	48	Prem 64	06/12
3259-7KU	i5-3210M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT		None	Black alum	Finger	6	48	Pro 64	06/12
3259-EPU	i3-3110M	4GBx1	15.6" HD Glos	720p	500G 7200	Intel 2230 + BT		None	Black alum	Finger	6	48	Pro 64	06/12
3259-TJU	i3-3110M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT		Numpad	Matte black	Finger	6	48	Pro 64	07/12
3259-TMU	i3-3110M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT		None	Black alum	Finger	6	48	Pro 64	07/12

- **Small and medium business (SMB) model(s), part of the US TopSeller™ Program**
- **Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; two spindles Intel® Core™ i3-3110M processor (dual-core, 2.40GHz, 3MB Cache) , DDR3 memory controller (up to 1600MHz), HT technology Intel Core i5-3210M processor (dual-core, 2.50GHz, 3MB Cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology Intel Core i7-3612QM processor (quad-core, 2.10GHz, 6MB Cache) , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology		Preloaded operating system ²⁰ - <i>Some:</i> Genuine Windows® 7 Home Premium 64 - <i>Some:</i> Genuine Windows 7 Professional 64 Ready to install applications ¹⁴ (only some listed) • One Key Recovery Pro Preloaded applications ¹⁴ (only some listed) • Access Connections™ • TrueSuite Fingerprint Software (includes password manager function) • ThinkVantage System Update • ThinkVantage Power Manager • ThinkVantage Tools • Lenovo SimpleTap • Norton™ Internet Security 2012 (30 days of virus definitions) • Adobe® Reader® • Skype™ for Windows • Corel® WinDVD® (DVD±RW) • Corel Burn.Now™ Lenovo Edition (DVD±RW) • Corel DVD MovieFactory® Lenovo Edition (DVD±RW)
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets		
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™		
mSATA™ SSD	<i>Some:</i> 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot		
Widescreen display	<i>Some:</i> 15.6" (396mm) HD (1366x768) color , anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio <i>Some:</i> 15.6" (396mm) HD (1366x768) color , VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio		
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator		
Graphics	Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; <i>Max external resolution:</i> 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz		
Keyboard	<i>Matte black or Matte red (top):</i> 6-row, spill-resistant, multimedia Fn keys, numeric keypad <i>Black aluminum (top):</i> 6-row, spill-resistant, multimedia Fn keys		
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar ¹³		
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch		
ThinkLight™	None		
Dimensions ³	<i>Matte black or Matte red (top):</i> 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm <i>Black aluminum (top):</i> 15.6W" (WxDxH): 14.84" x 9.65" x 1.12-1.35"; 377 x 245mm x 28.5-34.3mm		
Weight ²	<i>6-cell:</i> from 5.4 lb (2.45kg)		
Case color	<i>Some:</i> Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom <i>Some:</i> Black aluminum (top); black bottom		
Case material	<i>Matte black or Matte red (top):</i> Acrylonitrile-Butadiene-Styrene (ABS) plastic <i>Black aluminum (top):</i> Aluminum		
Battery - type ³⁷	Lithium Ion 6-cell		
Battery - life ¹⁰	<i>6-cell (48Whr):</i> up to 5.7 hr <i>6-cell (62Whr):</i> up to 7.5 hr		
Chipset	Mobile Intel HM77 Express Chipset		
ExpressCard	None		
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)		
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)		
PCIe Mini Card WLAN ⁴	Two PCI Express Mini Card slots <i>Some:</i> 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, Wi-Fi + Bluetooth combo adapter, 1x1 <i>Some:</i> 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2		
WWAN	None		
Modem	None		
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card		
Ethernet	Realtek® RTL8111F Gigabit Network Connection		
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack		
Security	Power-on password, hard disk password, supervisor password, security keyhole		
Security chip	None		
Fingerprint reader	UPEK Fingerprint reader on palm rest, swipe sensor		
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available		

Supports ThinkVantage® technologies		
65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹⁷ 24 hour x 7 day¹⁸ toll-free support during the warranty period¹²		
For compatible accessories, please go to O-E530 sheet; For Lenovo ²² service upgrade options, please go to S-EDGE sheet		

See footnotes for more detailed information

US model(s) announced May 1, May 22, June 5, June 26 or July 31, 2012

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(GLN1-2) September 2012

ThinkPad® Edge E530 3259 (Intel) - TopSeller (Windows 8)

Personal Systems Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	Card Numeric Keypad	Top color	Finger-print reader	Bat-tery cells	Bat-tery /Wh	Preload	Ann date (mm/yy)
3259-TEU	i5-3210M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	Numpad	Matte black	Finger	6	48	Win8 64	10/12
3259-TFU	i3-3110M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	Numpad	Matte black	Finger	6	48	Win8 Pro64	10/12
3259-TGU	i5-3210M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	Numpad	Matte black	Finger	6	48	Win8 Pro64	10/12
3259-THU	i3-3110M	4GBx1	15.6" HD	720p	320G 7200	Intel 2230 + BT	None	Numpad	Matte black	None	6	48	Win8 Pro64	10/12
3259-TKU	i5-3210M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	16GB	None	Black alum	Finger	6	62	Win8 Pro64	10/12
3259-TLU	i3-3110M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Black alum	Finger	6	48	Win8 Pro64	10/12

• Small and medium business (SMB) model(s), part of the US TopSeller™ Program

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; two spindles Intel® Core™ i3-3110M processor (2 cores, 2.40GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), HT technology Intel Core i5-3210M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology									Preloaded operating system ²⁰ - Some: Windows® 8 64-bit - Some: Windows 8 Pro 64-bit Preloaded applications ¹⁴ (only some listed) • Lenovo Support • Lenovo Companion • Lenovo Cloud Storage • Password Manager • Fingerprint Software (fingerprint models) • ThinkVantage System Update • Norton™ Internet Security (30 days of virus definitions) • Microsoft Office 2013 preloaded; purchase product key to activate • Skype™				
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets													
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™													
mSATA™ SSD	Some: 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot													
Widescreen display	15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio													
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator													
Graphics	Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz													
Keyboard	Matte black or Matte red (top): 6-row, spill-resistant, multimedia Fn keys, numeric keypad Black aluminum (top): 6-row, spill-resistant, multimedia Fn keys													
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar ¹³													
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch													
ThinkLight™	None													
Dimensions ³	Matte black or Matte red (top): 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm Black aluminum (top): 15.6W" (WxDxH): 14.84" x 9.65" x 1.12-1.35"; 377 x 245mm x 28.5-34.3mm													
Weight ²	6-cell: from 5.4 lb (2.45kg)													
Case color	Some: Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom Some: Black aluminum (top); black bottom													
Case material	Matte black or Matte red (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic Black aluminum (top): Aluminum													
Battery - type ³⁷	Lithium Ion 6-cell													
Battery - life ¹⁰	6-cell (48Whr): up to 5.7 hr 6-cell (62Whr): up to 7.5 hr													
Chipset	Mobile Intel HM77 Express Chipset													
ExpressCard	None													
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)													
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)													
PCIe Mini Card WLAN ⁴	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2									Supports ThinkVantage® technologies				
WWAN	None													
Modem	None													
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card													
Ethernet	Realtek® RTL8111F Gigabit Network Connection													
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack													
Security	Power-on password, hard disk password, supervisor password, security keyhole													
Security chip	None													
Fingerprint reader	Some: UPEK Fingerprint reader on palm rest, swipe sensor													
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available									For compatible accessories, please go to O-E530 sheet; For Lenovo ²² service upgrade options, please go to S-EDGE sheet				

See footnotes for more detailed information
US model(s) announced October 23, 2012

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(GLN1-4) October 2012

ThinkPad® Edge E530 6272 (Intel) - TopSeller (Windows 8)

Personal Systems Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	Card Numeric Keypad	Top color	Finger-print reader	Bat-tery cells	Bat-tery /Wh	Preload	Ann date (mm/yy)
6272-4SU	i3-3120M	4GBx1	15.6" HD	720p	320G 7200	Intel 2230 + BT	None	Numpad	Matte black	None	6	48	Win8 Pro64	10/12
6272-4RU	i3-3120M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	Numpad	Matte black	Finger	6	48	Win8 Pro64	10/12
6272-4TU	i3-3120M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	Numpad	Black alum	Finger	6	48	Win8 Pro64	10/12
6272-4GU	i5-3210M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	Numpad	Matte black	Finger	6	48	Win7 Pro64	10/12
6272-4FU	i3-3120M	4GBx1	15.6" HD	720p	320G 7200	Intel 2230 + BT	None	Numpad	Matte black	None	6	48	Win7 Pro64	10/12
6272-4JU	i5-3210M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	16GB	None	Black alum	Finger	6	62	Win7 Pro64	10/12
6272-4HU	i3-3120M	4GBx1	15.6" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black alum	Finger	6	48	Win7 Pro64	10/12
6272-55U	i7-3632QM	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	Numpad	Matte black	Finger	6	62	Win7 Pro64	11/12
6272-53U	i7-3612QM	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	Numpad	Matte black	Finger	6	48	Win8 Pro64	11/12
6272-52U	i7-3612QM	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	Numpad	Matte black	Finger	6	48	Win7 Pro64	11/12
6272-54U	i5-3210M	4+2GB	15.6" HD	Glos 720p	750G 5400	Intel 2230 + BT	None	None	Black alum	Finger	6	48	Win8 Pro64	11/12
6272-6HU	i5-3210M	4+2GB	15.6" HD	Glos 720p	500G 7200	Intel 2230 + BT	None	None	Black alum	Finger	6	48	Win8 Pro64	12/12

Positioning Processor	<p><i>Sophisticated design with quality, durability and reliability for SMB customers; two spindles</i> Intel® Core™ i3-3120M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), HT technology Intel Core i5-3210M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology Intel Core i7-3612QM processor (4 cores, 2.10GHz, 6MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology Intel Core i7-3632QM processor (4 cores, 2.20GHz, 6MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology</p>									<p>Preloaded operating system²⁰ - Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit - Some: Windows 8 Pro 64-bit Preloaded applications (only some listed) - Windows 7 models • Access Connections™ • ThinkVantage Power Manager • ThinkVantage Tools • Lenovo SimpleTap • Adobe® Reader® • Microsoft Office 2010 preloaded; purchase product key to activate - Windows 8 models • Lenovo Support • Lenovo Companion • Lenovo Cloud Storage • Microsoft Office 2013 preloaded; purchase product key to activate - All models • ThinkVantage System Update • Norton™ Internet Security (30 days of virus definitions) • Skype™</p>				
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets													
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™													
mSATA™ SSD	Some: 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot													
Widescreen display	<p>Some: 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 15.6" (396mm) HD (1366x768) color, VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio</p>													
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator													
Graphics	<p>Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz</p>													
Keyboard	<p>Matte black or Matte red (top): 6-row, spill-resistant, multimedia Fn keys, numeric keypad Black aluminum (top): 6-row, spill-resistant, multimedia Fn keys</p>													
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar ¹³													
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch													
ThinkLight™	None													
Dimensions ³	<p>Matte black or Matte red (top): 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm Black aluminum (top): 15.6W" (WxDxH): 14.84" x 9.65" x 1.12-1.35"; 377 x 245mm x 28.5-34.3mm</p>													
Weight ²	6-cell: from 5.4 lb (2.45kg)													
Case color	Some: Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom Some: Black aluminum (top); black bottom													
Case material	Matte black or Matte red (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic Black aluminum (top): Aluminum													
Battery - type ³⁷	Lithium Ion 6-cell													
Battery - life ¹⁰	6-cell (48Whr): up to 5.7 hr 6-cell (62Whr): up to 7.5 hr													
Chipset	Mobile Intel HM77 Express Chipset													
ExpressCard	None													
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)													
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)													
PCIe Mini Card WLAN ⁴	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2									Supports ThinkVantage® technologies				
WWAN	None													
Modem	None													
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card													
Ethernet	Realtek® RTL8111F Gigabit Network Connection													
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack									65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²				
Security	Power-on password, hard disk password, supervisor password, security keyhole													
Security chip	None													
Fingerprint reader	Some: UPEK Fingerprint reader on palm rest, swipe sensor									For compatible accessories, please go to O-E530 sheet;				
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available									For Lenovo ²² service upgrade options, please go to S-EDGE sheet				

See footnotes for more detailed information

US model(s) announced October 23, November 6 or December 4, 2012

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(GLN1-3) December 2012

ThinkPad® Edge E530 6272 (Intel) - TopSeller (Windows 8) - II

Personal Systems Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	Numeric Keypad	Top color	Finger print reader	Bat- tery cells	Bat- tery /Wh	Preload	Ann date (mm/yy)
6272-7VU	i3-3130M	4GBx1	15.6" HD	720p	320G 7200	Intel 2230 + BT	None	Numpad	Matte black	None	6	48	Win7 Pro64	02/13
6272-7UU	i5-3230M	4+2GB	15.6" HD	720p	750G 5400	Intel 2230 + BT	None	Numpad	Matte black	Finger	6	48	Win7 Pro64	02/13
6272-7TU	i5-3230M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	Numpad	Matte black	Finger	6	48	Win7 Pro64	02/13

Positioning Processor	<i>Sophisticated design with quality, durability and reliability for SMB customers; two spindles</i> Intel® Core™ i3-3130M processor (2 cores, 2.60GHz, 3MB cache), Intel HD Graphics 4000 , DDR3 memory controller (up to 1600MHz), HT technology Intel Core i5-3230M processor (2 cores, 2.60GHz, 3MB cache), Intel HD Graphics 4000 , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology									Preloaded operating system²⁰ - Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit				
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets									Ready to install applications¹⁴ (only some listed) • One Key Recovery Pro				
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™									Preloaded applications¹⁴ (only some listed) • Access Connections™ • TrueSuite Fingerprint Software (includes password manager function) • ThinkVantage System Update • ThinkVantage Power Manager • ThinkVantage Tools • Lenovo SimpleTap • Norton™ Internet Security 2012 (30 days of virus definitions) • Adobe® Reader® • Skype™ • Corel® WinDVD® (DVD±RW) • Corel Burn.Now™ Lenovo Edition (DVD±RW) • Corel DVD MovieFactory® Lenovo Edition (DVD±RW) • Microsoft Office 2010 preloaded; purchase product key to activate				
mSATA™ SSD	None													
Widescreen display	15.6" (396mm) HD (1366x768) color , anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio													
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator													
Graphics	Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; <i>Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz</i>													
Keyboard	<i>Matte black or Matte red (top):</i> 6-row, spill-resistant, multimedia Fn keys, numeric keypad <i>Black aluminum (top):</i> 6-row, spill-resistant, multimedia Fn keys													
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar ¹³													
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch													
ThinkLight™	None													
Dimensions ³	<i>Matte black or Matte red (top):</i> 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm <i>Black aluminum (top):</i> 15.6W" (WxDxH): 14.84" x 9.65" x 1.12-1.35"; 377 x 245mm x 28.5-34.3mm													
Weight ²	<i>6-cell:</i> from 5.4 lb (2.45kg)													
Case color	<i>Some:</i> Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom <i>Some:</i> Black aluminum (top); black bottom													
Case material	<i>Matte black or Matte red (top):</i> Acrylonitrile-Butadiene-Styrene (ABS) plastic <i>Black aluminum (top):</i> Aluminum													
Battery - type ³⁷	Lithium Ion 6-cell													
Battery - life ¹⁰	<i>6-cell (48Whr):</i> up to 5.7 hr <i>6-cell (62Whr):</i> up to 7.5 hr													
Chipset	Mobile Intel HM77 Express Chipset													
ExpressCard	None													
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)													
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)													
PCIe Mini Card WLAN ⁴	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2									Supports ThinkVantage® technologies				
WWAN	None													
Modem	None													
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card													
Ethernet	Realtek® RTL8111F Gigabit Network Connection													
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack													
Security	Power-on password, hard disk password, supervisor password, security keyhole													
Security chip	None													
Fingerprint reader	<i>Some:</i> UPEK Fingerprint reader on palm rest, swipe sensor													
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available									For compatible accessories, please go to O-E530 sheet; For Lenovo ²² service upgrade options, please go to S-EDGE sheet				

See footnotes for more detailed information
US model(s) announced February 5, 2013

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(GLN1-6) February 2013

ThinkPad® Edge E530 6272 (Intel) - Optimus (TopSeller) - Windows 8

Personal Systems Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA SIM card	Numeric Keypad	Top color	Finger-print reader	Bat-tery cells /Wh	Bat-tery Preload	Ann date (mm/yy)
6272-4PU	i5-3210M	4GBx1	15.6" HD+	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Matte black	Finger	6 62	Win7 Pro64 10/12

- **Small and medium business (SMB) model(s), part of the US TopSeller™ Program**

Positioning Processor	<i>Sophisticated design with quality, durability and reliability for SMB customers; two spindles</i> Intel® Core™ i5-3210M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000 , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology									Preloaded operating system²⁰ - Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit			
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets									Ready to install applications¹⁴ (only some listed) • One Key Recovery Pro			
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™									Preloaded applications¹⁴ (only some listed) • Access Connections™ • TrueSuite Fingerprint Software (includes password manager function) • ThinkVantage System Update • ThinkVantage Power Manager • ThinkVantage Tools • Lenovo SimpleTap • Norton™ Internet Security 2012 (30 days of virus definitions) • Adobe® Reader® • Skype™ • Corel® WinDVD® (DVD±RW) • Corel Burn.Now™ Lenovo Edition (DVD±RW) • Corel DVD MovieFactory® Lenovo Edition (DVD±RW) • Microsoft Office 2010 preloaded; purchase product key to activate			
mSATA™ SSD	None												
Widescreen display	<i>Some: 15.6"</i> (396mm) HD (1366x768) color , anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio <i>Some: 15.6"</i> (396mm) HD+ (1600x900) color , anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio												
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator												
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 in processor, and NVIDIA GeForce® 610M , PCI Express® x16, 1GB memory, DirectX® 11, NVIDIA PureVideo® HD technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector <i>Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz</i>												
Keyboard	<i>Matte black, Matte red or Matte blue (top):</i> 6-row, spill-resistant, multimedia Fn keys, numeric keypad												
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar ¹³												
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch												
ThinkLight™	None												
Dimensions ³	<i>Matte black, Matte red or Matte blue (top):</i> 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm												
Weight ²	<i>6-cell:</i> from 5.47 lb (2.48kg)												
Case color	Matte black, Matte red or Matte blue (top), trimmed with a thin silver band (side); black bottom												
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic												
Battery - type ³⁷	Lithium Ion 6-cell												
Battery - life ¹⁰	<i>6-cell (62Whr):</i> up to 7.3 hr												
Chipset	Mobile Intel HM77 Express Chipset												
ExpressCard	None												
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)												
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)												
PCIe Mini Card WLAN ⁴	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2									Supports ThinkVantage® technologies 90-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²			
WWAN	None												
Modem	None												
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card												
Ethernet	Realtek® RTL8111F Gigabit Network Connection												
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack												
Security	Power-on password, hard disk password, supervisor password, security keyhole												
Security chip	None												
Fingerprint reader	UPEK Fingerprint reader on palm rest, swipe sensor												
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available									For compatible accessories, please go to O-E530 sheet; For Lenovo ²² service upgrade options, please go to S-EDGE sheet			

See footnotes for more detailed information
US model(s) announced October 23, 2012

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(GLN1-5) October 2012

ThinkPad® Edge E530c 3366 (Intel) - TopSeller

Personal Systems Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ³ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	Numeric Keypad	Top color	Finger-print reader	Bat-tery cells	Preload	Ann date (mm/yy)
3366-2YU	i3-2328M	4GBx1	15.6" HD	0.3M	320G 5400	TP 11b/g/n	None	Numpad	Black textured	None	6	Pro 64	08/12
3366-2WU	i3-2328M	4GBx1	15.6" HD	0.3M	500G 5400	TP 11b/g/n	None	Numpad	Black textured	None	6	Pro 64	08/12
3366-2UU	i3-2328M	2GBx1	15.6" HD	0.3M	320G 5400	TP 11b/g/n	None	Numpad	Black textured	None	6	Pro 64	08/12

- **Small and medium business (SMB) model(s), part of the US TopSeller™ Program**
- **Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<i>Sophisticated design with quality, durability and reliability for SMB customers; two spindles</i> Intel® Core™ i3-2328M processor (dual-core, 2.20GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), HT technology			Preloaded operating system ²⁰ - Genuine Windows 7 Professional 64 Ready to install applications ¹⁴ (only some listed) • One Key Recovery Pro Preloaded applications ¹⁴ (only some listed) • Access Connections™ • TrueSuite Fingerprint Software (includes password manager function) • ThinkVantage System Update • ThinkVantage Power Manager • ThinkVantage Tools • Lenovo SimpleTap • Norton™ Internet Security 2012 (30 days of virus definitions) • Adobe® Reader® • Skype™ for Windows • Corel® WinDVD® (DVD±RW) • Corel Burn.Now™ Lenovo Edition (DVD±RW) • Corel DVD MovieFactory® Lenovo Edition (DVD±RW)
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller			
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™			
mSATA™ SSD	None			
Widescreen display	15.6" (396mm) HD (1366x768) color , anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio			
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, low light sensitive, LED indicator			
Graphics	Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; <i>Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz</i>			
Keyboard	<i>Black textured (top):</i> 6-row, spill-resistant, multimedia Fn keys, numeric keypad			
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar ¹³			
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch			
ThinkLight™	None			
Dimensions ³	<i>Black textured (top):</i> 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm			
Weight ²	<i>6-cell:</i> from 5.4 lb (2.45kg)			
Case color	Black textured (top); black bottom			
Case material	<i>Black textured (top):</i> Acrylonitrile-Butadiene-Styrene (ABS) plastic			
Battery - type ³⁷	Lithium Ion 6-cell			
Battery - life ¹⁰	<i>6-cell (48Whr):</i> up to 5.7 hr			
Chipset	Mobile Intel HM77 Express Chipset			
ExpressCard	None			
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)			
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)			
PCIe Mini Card	Two PCI Express Mini Card slots			
WLAN ⁴	11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1			
WWAN	None			
Modem	None			
Bluetooth™	None			
Ethernet	Realtek® RTL8111F Gigabit Network Connection			
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack			
Security	Power-on password, hard disk password, supervisor password, security keyhole			
Security chip	None			
Fingerprint reader	None			
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available			

Supports ThinkVantage® technologies			
65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹⁷ 24 hour x 7 day¹⁸ toll-free support during the warranty period¹²			
For compatible accessories, please go to O-E530 sheet; For Lenovo²² service upgrade options, please go to S-EDGE sheet			

See footnotes for more detailed information
US model(s) announced August 7, 2012

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(GLN1c-1) September 2012

ThinkPad® Edge E530c 3366 (Intel) - TopSeller (Windows 8)

Personal Systems Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN / mSATA	Card Numeric Keypad	Top color	Finger-print reader	Bat-tery cells	Preload	Ann date (mm/yy)
3366-33U	i3-2328M	4GBx1	15.6" HD	720p	500G 5400	Intel 2230 + BT	None	Numpad	Black textured	None	6	Win7 Pro64	10/12
3366-32U	i3-2328M	2GBx1	15.6" HD	720p	320G 5400	Intel 2230 + BT	None	Numpad	Black textured	None	6	Win7 Pro64	10/12
3366-22U	i3-2328M	4GBx1	15.6" HD	720p	320G 5400	Intel 2230 + BT	None	Numpad	Black textured	None	6	Win8 Pro64	10/12
3366-2XU	i3-2328M	4GBx1	15.6" HD	720p	500G 5400	Intel 2230 + BT	None	Numpad	Black textured	None	6	Win8 Pro64	10/12
3366-2VU	i3-2328M	2GBx1	15.6" HD	720p	320G 5400	Intel 2230 + BT	None	Numpad	Black textured	None	6	Win8 Pro64	10/12
3366-5AU	i3-2348M	4+2GB	15.6" HD Glos	720p	750G 5400	Intel 2230 + BT	None	Numpad	Black textured	None	6	Win8 Pro64	01/13
3366-59U	i3-2348M	4GBx1	15.6" HD	720p	320G 5400	Intel 2230 + BT	None	Numpad	Black textured	None	6	Win8 Pro64	01/13
3366-58U	i3-2348M	4GBx1	15.6" HD	720p	500G 5400	Intel 2230 + BT	None	Numpad	Black textured	None	6	Win8 Pro64	01/13
3366-57U	i3-2348M	4+2GB	15.6" HD Glos	720p	750G 5400	Intel 2230 + BT	None	Numpad	Black textured	None	6	Win7 Pro64	01/13
3366-56U	i3-2348M	4GBx1	15.6" HD	720p	320G 5400	Intel 2230 + BT	None	Numpad	Black textured	None	6	Win8 Pro64	01/13
3366-55U	i3-2348M	2GBx1	15.6" HD	720p	320G 5400	Intel 2230 + BT	None	Numpad	Black textured	None	6	Win7 Pro64	01/13
3366-54U	i3-2348M	4GBx1	15.6" HD	720p	500G 5400	Intel 2230 + BT	None	Numpad	Black textured	None	6	Win7 Pro64	01/13

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; two spindles Intel® Core™ i3-2328M processor (2 cores, 2.20GHz, 3MB cache), Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), HT technology Intel Core i3-2348M processor (2 cores, 2.30GHz, 3MB cache), Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), HT technology		Preloaded operating system ²⁰ - <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit - <i>Some:</i> Windows 8 Pro 64-bit Preloaded applications (only some listed) - Windows 7 models <ul style="list-style-type: none">• Access Connections™• ThinkVantage Power Manager• ThinkVantage Tools• Lenovo SimpleTap• Adobe® Reader®• Microsoft Office 2010 preloaded; purchase product key to activate - Windows 8 models <ul style="list-style-type: none">• Lenovo Support• Lenovo Companion• Lenovo Cloud Storage• Microsoft Office 2013 preloaded; purchase product key to activate - All models <ul style="list-style-type: none">• ThinkVantage System Update• Norton™ Internet Security (30 days of virus definitions)• Skype™
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller		
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™		
mSATA™ SSD	None		
Widescreen display	<i>Some:</i> 15.6" (396mm) HD (1366x768) color , anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio <i>Some:</i> 15.6" (396mm) HD (1366x768) color , VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio		
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator		
Graphics	Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; <i>Max external resolution:</i> 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz		
Keyboard TrackPoint®	<i>Black textured (top):</i> 6-row, spill-resistant, multimedia Fn keys, numeric keypad		
Touchpad	TrackPoint pointing device, Internet Scroll Bar ¹³		
ThinkLight™	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch		
Dimensions ³	<i>Black textured (top):</i> 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm		
Weight ²	<i>6-cell:</i> from 5.4 lb (2.45kg)		
Case color	Black textured (top); black bottom		
Case material	<i>Black textured (top):</i> Acrylonitrile-Butadiene-Styrene (ABS) plastic		
Battery - type ³⁷	Lithium Ion 6-cell		
Battery - life ¹⁰	<i>6-cell (48Whr):</i> up to 5.7 hr		
Chipset	Mobile Intel HM77 Express Chipset		
ExpressCard	None		
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)		
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)		
PCIe Mini Card WLAN ⁴	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2		Supports ThinkVantage® technologies
WWAN	None		65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²
Modem	None		
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card		
Ethernet	Realtek® RTL8111F Gigabit Network Connection		For compatible accessories, please go to O-E530 sheet; For Lenovo ²² service upgrade options, please go to S-EDGE sheet
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack		
Security	Power-on password, hard disk password, supervisor password, security keyhole		
Security chip	None		
Fingerprint reader	None		
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available		

See footnotes for more detailed information
US model(s) announced October 23, 2012 or January 15, 2013

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(GLN1c-2) February 2013

ThinkPad® Edge E535 3260 (AMD) - TopSeller

Personal Systems Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁵ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	Numeric Keypad	Top color	Finger print reader	Bat-tery cells	Preload	Ann date (mm/yy)
3260-5UU	A6-4400M	4GBx1	15.6" HD	720p	320G 7200	TP 11b/g/n	None	Numpad	Matte black	Finger	6	Pro 64	06/12
3260-5VU	A6-4400M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Pro 64	06/12
3260-5SU	A4-4300M	4GBx1	15.6" HD	720p	320G 7200	TP 11b/g/n	None	Numpad	Matte black	None	6	Pro 64	07/12
3260-5TU	A4-4300M	4GBx1	15.6" HD	720p	320G 7200	TP 11b/g/n	None	Numpad	Matte black	None	6	Prem 64	07/12
3260-DRU	A8-4500M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Pro 64	07/12
3260-DQU	A10-4600M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Pro 64	07/12
3260-EAU	A6-4400M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Prem 64	08/12
3260-E9U	A8-4500M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Prem 64	08/12
3260-E8U	A10-4600M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Prem 64	08/12

- **Small and medium business (SMB) model(s), part of the US TopSeller™ Program**
- **Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<p><i>Sophisticated design with quality, durability and reliability for SMB customers; two spindles</i> AMD Accelerated Processor A4-4300M (dual-core, 2.50GHz, 1MB L2 cache), integrated AMD Radeon™ HD 7420G Graphics, AMD Turbo Core technology (up to 3.00GHz), integrated DDR3 memory controller (up to 1600MHz) AMD Accelerated Processor A6-4400M (dual-core, 2.70GHz, 1MB L2 cache), integrated AMD Radeon HD 7520G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated DDR3 memory controller (up to 1600MHz) AMD Accelerated Processor A8-4500M (quad-core, 1.90GHz, 4MB L2 cache), integrated AMD Radeon HD 7640G Graphics, AMD Turbo Core technology (up to 2.80GHz), integrated DDR3 memory controller (up to 1600MHz) AMD Accelerated Processor A10-4600M (quad-core, 2.30GHz, 4MB L2 cache), integrated AMD Radeon HD 7660G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated DDR3 memory controller (up to 1600MHz)</p>									<p>Preloaded operating system²⁰ - Some: Genuine Windows® 7 Home Premium 64 - Some: Genuine Windows 7 Professional 64 Ready to install applications¹⁴ (only some listed) • One Key Recovery Pro Preloaded applications¹⁴ (only some listed) • Access Connections™ • TrueSuite Fingerprint Software (includes password manager function) • ThinkVantage System Update • ThinkVantage Power Manager • ThinkVantage Tools • Lenovo SimpleTap • Norton™ Internet Security 2012 (30 days of virus definitions) • Adobe® Reader® • Skype™ for Windows • Corel® WinDVD® (DVD±RW) • Corel Burn.Now™ Lenovo Edition (DVD±RW) • Corel DVD MovieFactory® Lenovo Edition (DVD±RW) • Microsoft Office 2010 preloaded; purchase product key to activate</p>			
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets												
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™												
mSATA™ SSD	None												
Widescreen display	15.6" (396mm) HD (1366x768) color , anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio												
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator												
Graphics	AMD Radeon HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; <i>Max external resolution: 1920x1600 (VGA)@60Hz; 1920x1200 (HDMI)@60Hz</i>												
Keyboard	<i>Matte black or Matte red (top):</i> 6-row, spill-resistant, multimedia Fn keys, numeric keypad <i>Black aluminum (top):</i> 6-row, spill-resistant, multimedia Fn keys												
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar ¹³												
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch												
ThinkLight™	None												
Dimensions ³	<i>Matte black or Matte red (top):</i> 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm <i>Black aluminum (top):</i> 15.6W" (WxDxH): 14.84" x 9.65" x 1.12-1.35"; 377 x 245mm x 28.5-34.3mm												
Weight ²	6-cell: from 5.4 lb (2.45kg)												
Case color	<i>Some:</i> Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom <i>Some:</i> Black aluminum (top); black bottom												
Case material	<i>Matte black or Matte red (top):</i> Acrylonitrile-Butadiene-Styrene (ABS) plastic <i>Black aluminum (top):</i> Aluminum												
Battery - type ³⁷	Lithium Ion 6-cell												
Battery - life ¹⁰	6-cell (48Whr): up to 6.0 hr												
Chipset	AMD A70M FCH												
ExpressCard	None												
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)												
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)												
PCIe Mini Card WLAN ⁴	One PCI Express Mini Card slot <i>Some:</i> 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1 <i>Some:</i> 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, Wi-Fi + Bluetooth combo adapter, 1x1												
WWAN	None												
Modem	None												
Bluetooth™	<i>Some:</i> Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card												
Ethernet	Realtek® RTL8111F Gigabit Network Connection												
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack												
Security	Power-on password, hard disk password, supervisor password, security keyhole												
Security chip	None												
Fingerprint reader	<i>Some:</i> AuthenTec fingerprint reader on palm rest, swipe sensor												
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available												

See footnotes for more detailed information

US model(s) announced June 19, July 24, July 31 or August 28, 2012

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(GLN11-1) September 2012

ThinkPad® Edge E535 3260 (AMD) - TopSeller (Windows 8)

Personal Systems Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ³ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	Numeric Keypad	Top color	Finger-print reader	Bat-tery cells	Preload	Ann date (mm/yy)
3260-EFU	A8-4500M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Win7 Pro64	10/12
3260-EDU	A4-4300M	4GBx1	15.6" HD	720p	320G 7200	TP 11b/g/n	None	Numpad	Matte black	None	6	Win7 Pro64	10/12
3260-ECU	A6-4400M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Win7 Pro64	10/12
3260-E7U	A4-4300M	4GBx1	15.6" HD	720p	320G 7200	TP 11b/g/n	None	Numpad	Matte black	Finger	6	Win8 64	10/12
3260-E6U	A6-4400M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Win8 64	10/12
3260-E5U	A6-4400M	4GBx1	15.6" HD	720p	320G 7200	TP 11b/g/n	None	Numpad	Matte black	Finger	6	Win8 64	10/12
3260-E4U	A6-4400M	4GBx1	15.6" HD	720p	320G 7200	TP 11b/g/n	None	Numpad	Matte black	Finger	6	Win8 Pro64	10/12
3260-E3U	A4-4300M	4GBx1	15.6" HD	720p	320G 7200	TP 11b/g/n	None	Numpad	Matte black	Finger	6	Win8 Pro64	10/12
3260-E2U	A8-4500M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Win8 64	10/12
3260-DZU	A10-4600M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Win8 64	10/12
3260-DYU	A10-4600M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Win8 Pro64	10/12
3260-DXU	A8-4500M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Win8 Pro64	10/12
3260-DVU	A6-4400M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Win8 Pro64	10/12

Positioning Processor	<p><i>Sophisticated design with quality, durability and reliability for SMB customers; two spindles</i> AMD Accelerated Processor A4-4300M (dual-core, 2.50GHz, 1MB L2 cache), integrated AMD Radeon™ HD 7420G Graphics, AMD Turbo Core technology (up to 3.00GHz), integrated DDR3 memory controller (up to 1600MHz) AMD Accelerated Processor A6-4400M (dual-core, 2.70GHz, 1MB L2 cache), integrated AMD Radeon HD 7520G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated DDR3 memory controller (up to 1600MHz) AMD Accelerated Processor A8-4500M (quad-core, 1.90GHz, 4MB L2 cache), integrated AMD Radeon HD 7640G Graphics, AMD Turbo Core technology (up to 2.80GHz), integrated DDR3 memory controller (up to 1600MHz) AMD Accelerated Processor A10-4600M (quad-core, 2.30GHz, 4MB L2 cache), integrated AMD Radeon HD 7660G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated DDR3 memory controller (up to 1600MHz)</p>									<p>Preloaded operating system²⁰ - Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit - Some: Windows 8 64-bit - Some: Windows 8 Pro 64-bit</p> <p>Preloaded applications (only some listed) - Windows 7 models • Access Connections™ • ThinkVantage Power Manager • ThinkVantage Tools • Lenovo SimpleTap • Adobe® Reader® • Microsoft Office 2010 preloaded; purchase product key to activate</p> <p>- Windows 8 models • Lenovo Support • Lenovo Companion • Lenovo Cloud Storage • Microsoft Office 2013 preloaded; purchase product key to activate</p> <p>- All models • ThinkVantage System Update • Norton™ Internet Security (30 days of virus definitions) • Skype™</p>			
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets												
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™												
mSATA™ SSD	None												
Widescreen display	15.6" (396mm) HD (1366x768) color , anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio												
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator												
Graphics	AMD Radeon HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; <i>Max external resolution: 1920x1600 (VGA)@60Hz; 1920x1200 (HDMI)@60Hz</i>												
Keyboard TrackPoint®	<i>Matte black or Matte red (top):</i> 6-row, spill-resistant, multimedia Fn keys, numeric keypad												
Touchpad	TrackPoint pointing device, Internet Scroll Bar ¹³												
ThinkLight™	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch												
Dimensions ³	<i>Matte black or Matte red (top):</i> 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm												
Weight ²	6-cell: from 5.4 lb (2.45kg)												
Case color	Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom												
Case material	<i>Matte black or Matte red (top):</i> Acrylonitrile-Butadiene-Styrene (ABS) plastic												
Battery - type ³⁷	Lithium Ion 6-cell												
Battery - life ¹⁰	6-cell (48Whr): up to 6.0 hr												
Chipset	AMD A70M FCH												
ExpressCard	None												
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)												
Ports	Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)												
PCIe Mini Card WLAN ⁴	One PCI Express Mini Card slot <i>Some:</i> 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1 <i>Some:</i> 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, Wi-Fi + Bluetooth combo adapter, 1x1									Supports ThinkVantage® technologies			
WWAN	None												
Modem	None												
Bluetooth™	<i>Some:</i> Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card												
Ethernet	Realtek® RTL8111F Gigabit Network Connection												
Audio support	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack												
Security	Power-on password, hard disk password, supervisor password, security keyhole												
Security chip	None												
Fingerprint reader	<i>Some:</i> AuthenTec fingerprint reader on palm rest, swipe sensor												
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available									For compatible accessories, please go to O-E530 sheet; For Lenovo ²² service upgrade options, please go to S-EDGE sheet			

See footnotes for more detailed information
US model(s) announced October 23, 2012

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(GLN11-2) October 2012

ThinkPad® Edge E530, E535 Accessories

Personal Systems Reference (PSREF)

Memory

2GB PC3-12800 DDR3 SODIMM	0A65722	ann	06/05/12
4GB PC3-12800 DDR3 SODIMM	0A65723	ann	06/05/12

Storage and removable storage

USB 2.0 Portable 320GB Hard Disk	45K1689	ann	03/17/09
USB 2.0 Portable 500GB Hard Disk	45K1690	ann	05/26/09
USB 3.0 Secure 500GB Hard Drive	0A65619	ann	11/29/11
USB 3.0 Secure 750GB Hard Drive	0A65616	ann	11/29/11
USB 3.0 Secure 1TB Hard Drive	0A65621	ann	08/28/12
<i>E530 Only:</i>			
ThinkPad 16GB mSATA Solid State Cache Drive	0B47309	ann	12/11/12

ThinkPad Expansion

Lenovo® Essential Notebook Stand	45J9292	ann	05/12/09
USB 2.0 Port Replicator with Digital Video	0A33942	ann	03/22/11

Keyboard

TrackPoint Cap Collection	73P2698	ann	12/16/03
Ultraslim Plus Wireless Keyboard and Mouse ⁵²	0A34032	ann	04/05/11
⁵² Wireless via 2.4GHz technology using a micro-size USB receiver.			
USB Numeric Keypad	33L3225	ann	05/01/00
Preferred Pro USB Keyboard	73P5220	ann	06/21/05
Enhanced Performance USB Keyboard	73P2620	ann	03/23/04
ThinkPad USB Keyboard with TrackPoint	55Y9003	ann	08/18/09
Lenovo USB Fingerprint Keyboard	73P4730	ann	02/22/05
Lenovo USB Smartcard Keyboard	51J0155	ann	03/24/09

Mouse

ThinkPad Bluetooth Laser Mouse	0A36407	ann	06/26/12
Lenovo Optical Mouse (USB)	06P4069	ann	05/21/03
Lenovo Laser Mouse (USB)	41U3074	ann	01/23/07
ThinkPad USB Laser Mouse	57Y4635	ann	12/15/09
Lenovo ScrollPoint® Mouse (USB, Optical)	31P7405	ann	08/27/02
ThinkPad Travel Mouse (USB, Optical)	31P7410	ann	06/04/02
Lenovo Wireless Laser Mouse ⁵²	0A36188	ann	12/20/11
⁵² Wireless via 2.4GHz technology using a micro-size USB receiver.			

Security

3M 15.6W Privacy Filter from Lenovo	0A61771	ann	04/05/11
Kensington® MicroSaver® Cable Lock	73P2582	ann	12/29/03
Kensington Twin Head Cable Lock	45K1620	ann	09/30/08
Lenovo Security Cable Lock	57Y4303	ann	08/24/10
USB Gemplus GemPC Smart Card Reader	41N3040	ann	02/21/06

Multimedia

ThinkPad In-Ear Headphones with mic	57Y4488	ann	01/07/10
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Modem

USB 2.0 Lenovo Modem	43R1814	ann	02/26/08
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Batteries³⁷

ThinkPad Battery 75+ (6-cell)	0A36311	ann	04/10/12
ThinkPad External Battery Charger ⁴⁴	40Y7625	ann	09/20/05

⁴⁴ Requires the *ThinkPad 90W AC Adapter 40Y7659* or the adapter provided with the system.

More information at www.lenovo.com/alldaycomputing

ThinkPad 65W AC Adapter ⁴⁵	40Y7696	ann	01/05/06
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⁴⁵ Only compatible with the integrated graphics models.

ThinkPad 90W AC Adapter	40Y7659	ann	09/20/05
90W Ultraslim AC/DC Combo Adapter	41R4493	ann	09/22/09

More info at www.lenovo.com/support/poweradapters

Charging tips for 90W Ultraslim AC/DC Combo Adapter 41R4493

• iPod and iPhone Charge Tip (L10a)	41R4481	ann	12/18/07
• Generic Micro USB charge tip (L18)	41R4490	ann	01/06/09

More information at www.lenovopowertips.com

Carrying Cases

Up to 15.6" widescreen models:

Lenovo Messenger Max	41U5253	ann	05/01/07
Lenovo Performance Backpack	41U5254	ann	05/01/07
ThinkPad Business Topload Case	43R2476	ann	05/13/08
ThinkPad Business Backpack	43R2482	ann	05/13/08
ThinkPad Deluxe Expander Case	43R2478	ann	05/13/08
ThinkPad Executive Leather Case	43R2480	ann	05/13/08
Lenovo Sport Backpack - Red	0A33896	ann	02/28/12
Lenovo Sport Slimcase - Red	0A33897	ann	02/28/12
Lenovo Sport Messenger - Red	0A33898	ann	02/28/12
Lenovo Sport Backpack - Blue	0B47298	ann	08/28/12
Lenovo Sport Slimcase - Blue	0B47300	ann	08/28/12
Lenovo Sport Messenger - Blue	0B47299	ann	08/28/12
Lenovo Sport Backpack - Grey	0B47301	ann	08/28/12
Lenovo Sport Slimcase - Grey	0B47303	ann	08/28/12
Lenovo Sport Messenger - Grey	0B47302	ann	08/28/12

More information at www.lenovo.com/support/cases

Monitors

ThinkVision L1900p 19" (VGA, DVI-D)	4431HE1	ann	11/11/08
ThinkVision LT1952p Wide 19" (VGA, DP, DVI-D) ⁶⁹	2448MB6	ann	09/13/11
ThinkVision L2250p Wide 22" (VGA, DVI-D)	2572HB6	ann	10/20/09
ThinkVision L2251x Wide 22" (VGA, DP)	2578HB6	ann	10/20/09
ThinkVision LT2252p Wide 22" (VGA, DP, DVI-D) ⁶⁹	2572MB6	ann	09/13/11
ThinkVision LT2452p Wide 24" (VGA, DP, DVI-D) ⁶⁹	4420MB2	ann	09/13/11
⁶⁹ DisplayPort cable is not included.			
ThinkVision LT1421 Wide 14" Mobile Monitor with Protective Screen Cover (USB 2.0)	1452DS6	ann	08/16/11

More information at www.lenovo.com/support/monitors

Monitor Accessories⁴⁶

Lenovo USB Soundbar	0A36190	ann	05/01/12
Lenovo HDMI to HDMI Monitor Cable	0B47070	ann	05/22/12
Lenovo HDMI to VGA Monitor Cable	0B47069	ann	06/26/12
Lenovo USB 3.0 to DVI/VGA Monitor Adapter	0B47072	ann	08/14/12
Kensington MicroSaver Cable Lock	73P2582	ann	12/29/03
Kensington Twin Head Cable Lock	45K1620	ann	09/30/08
Lenovo Security Cable Lock	57Y4303	ann	08/24/10
Lenovo Easy Reach Monitor Stand	55Y9258	ann	09/22/09

⁴⁶ Compatible on selected Lenovo and ThinkVision monitors.

More information at www.lenovo.com/support/monitoraccessories

For more information on accessories:

www.lenovo.com/accessories

Purchase Lenovo accessories

www.lenovo.com/support/accessories

Product specifications on Lenovo Support

www.lenovo.com/accessoriesguide

Option Compatibility Matrix (OCM) and accessory brochures

www.lenovoquickpick.com

An Options Compatibility Configurator for Lenovo systems

The TopSeller™ services are designed to make selling the popular services with TopSeller systems faster and easier. Channel partners should always use TopSeller services with TopSeller systems. TopSeller services part numbers typically provide enhanced discounts and incentives for channel partners. The TopSeller service delivered to the customer is identical to the service delivered using a standard service part number. In situations where a desired service is not offered under a TopSeller service part number or the sale requires a special bid process, use available standard service part numbers.

TopSeller services should always be offered by channel business partners with TopSeller hardware, unless the sale requires special bid pricing or the desired service is not offered as a TopSeller service part.

For more information see:

<http://www2.partnerinfo.lenovo.com/partners/us/resources/salestoolkit.shtml>

TopSeller service upgrade options for ThinkPad Edge Series

ThinkPad Edge E220s/E420s Sealed Battery notebooks with 1-year Depot warranty

3 YEAR Depot Warranty with Battery Replacement	04W8702
3 YEAR Depot Warranty with Battery Replacement & Accidental Damage Protection	04W8704
3 YEAR Onsite Warranty with Battery Replacement	04W8703
3 YEAR Onsite Warranty with Battery Replacement & Accidental Damage Protection	04W8705

ThinkPad Edge notebooks with 1-year Depot warranty

3 YEAR Depot Warranty	04W8706
3 YEAR Depot Warranty & Accidental Damage Protection	04W8708
3 YEAR Onsite Warranty	04W8707
3 YEAR Onsite Warranty & Accidental Damage Protection	04W8709

TopSeller Priority Support

- 24x7 support with priority routing and advanced level technicians

ThinkPad Edge notebooks with 1-year Depot warranty

Add to 3-year warranty coverage - 3-year Priority Support*	04W8720
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* Covered machine must have concurrent warranty coverage.

Partial list of Lenovo® Services²² for ThinkPad Edge notebooks

For more information see: http://www.lenovo.com/services_warranty/us/en/index.html

Lenovo service upgrade options for ThinkPad Edge series

ThinkPad Edge notebook with 1-year Depot warranty

2 YEAR Depot Warranty	45K5971
3 YEAR Depot Warranty	45K5972
1 YEAR Onsite Warranty	45K5968
2 YEAR Onsite Warranty	45K5969
3 YEAR Onsite Warranty	45K5970
4 YEAR Onsite Warranty	0A34462

ThinkPad Twist S230u with 1-year Depot warranty

2 YEAR Depot Warranty	0C07006
4 YEAR Depot Warranty	0A34460
1 YEAR Onsite Warranty	45K5968
2 YEAR Onsite Warranty	0C07007
3 YEAR Onsite Warranty	04W9529
4 YEAR Onsite Warranty	0A34462

Availability: All offers subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time, without notice. Lenovo is not responsible for photographic or typographic errors.

Warranty: For a copy of applicable product warranties, go to: http://support.lenovo.com/en_US/product-service/warranty-status/WarrantyPolicies.page. Lenovo makes no representation or warranty regarding third party products or services.

Footnotes:

¹ Power management, including Intel® SpeedStep® Technology, reduces processor speed when in battery mode.

² **Weight** includes battery and standard optical drive; weight may vary due to vendor components, manufacturing process and options.

³ **Thinness** may vary at certain points on the system.

⁴ **Wireless capability:** Requires compatible wireless-enabled options sold separately.

⁶ **Public network download modem speeds** are limited to 53Kbps. Upload speeds are limited to 48Kbps for V.92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V.92 functions and speeds require compatible phone line and server equipment. Check with your telephone and ISP service providers for availability.

⁷ **Maximum memory capacity** may require the replacement of standard component with largest supported component available. On ThinkPad systems, even though it is possible to physically install 4GB of memory, the actual amount of memory addressable by a 32-bit operating system will be limited to 3GB. This limitation does not exist with 64-bit operating systems.

⁸ **Hard drive:** GB = billion bytes, TB = trillion bytes. Accessible capacity is less; up to 4GB is service partition.

¹⁰ **Battery:** These model numbers achieved the battery life based on MobileMark® 2007 during testing. Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning, and other customer preferences.

¹² **Limited warranty:** Support unrelated to a warranty issue may be subject to additional charges.

¹³ **Internet access not included.**

¹⁴ **Included software** may differ from its retail version (if available), and may not include user manuals or all program functionality. Software license agreements may apply.

¹⁶ **Activating Verizon Wireless Service:** Lenovo customers will be contacted after purchase to activate service; requires separate agreement with Verizon Wireless and is subject to the Customer Agreement, Calling Plan, and credit approval. Service, airtime, and early termination charges may apply. Verizon Wireless, not Lenovo, is solely responsible for service. Service not available in all areas; purchaser is responsible for verifying that service is available for the intended location before purchasing a computer equipped with WAN card. Network details, coverage limitations, and maps at www.verizonwireless.com.

¹⁷ **International Warranty Service** is available in any country in which this product is sold and serviced. Service delivery methods and parts availability vary by country, may be different from that in the country of purchase, and are subject to change without notice. Fees and restrictions may apply in some countries.

¹⁸ **Telephone support** may be subject to additional charges, even during the limited warranty period. Response times may vary. May exclude some holidays. If a machine is listed as having "On-site service for select repairs", this means that onsite service is available only for the replacement of select parts. For all other warranty repairs, Lenovo will provide the customer a replacement part for customer installation. The parts for which onsite service is available varies by machine, but may include the processor, power supply, heat sink, system board, or base cover. For ThinkPad notebooks with Depot or Courier service, Lenovo will attempt to diagnose and resolve the problem remotely before sending a courier.

¹⁹ **Depot repair service:** The customer may be asked certain diagnostic questions before a courier is sent. Your ThinkPad purchase includes this depot repair service, available in the U.S. during the limited warranty period.

²⁰ **Operating System:** Level of support varies by operating system. Operating systems not preloaded on the system may not provide full feature functionality. Refer to lenovo.com/pc/support and enter your machine type and model number for more information.

²² **Lenovo Services:** These services are available for machines normally used for business, professional, or trade purposes, rather than personal, family, or household purposes. Not all machine types and models are covered. Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees. If the machine problem turns out to be a Customer Replaceable Unit (CRU), a part will be express shipped to you for quick replacement. Onsite 24x7x2-hour service is not available in all locations. For ThinkPad notebooks requiring LCD or other component replacement, Lenovo may choose to perform service at the depot repair center. Calls must be received by 5 pm local time in order to qualify for Next Business Day service. P&L means parts and labor. P/U means pick-up. See Lenovo Warranty Services terms and conditions for complete details and restrictions.

²³ **Activating AT&T Wireless Service:** Requires separate agreement with AT&T, subject to service agreement, rate plan and coverage maps. AT&T, not Lenovo, is solely responsible for service. Coverage not available in all areas; AT&T BroadbandConnect available in select metropolitan markets. Special credit and tenure restrictions and additional charges may apply to international roaming. A network connection, third-party software, additional hardware, and/or subscription to a third-party service may be required for certain solutions/applications. Additional restrictions apply, including early termination fee; see www.wireless.att.com for details. To activate call Lenovo Wireless Activation Hot Line at 1-877-299-4710.

²⁴ **Limited onsite service systems** are designed to be repaired during the applicable warranty period primarily with customer-replaceable parts provided by Lenovo. Lenovo will only send a technician onsite to perform a repair if (a) remote telephone diagnosis and/or customer part replacement are unable to resolve the problem, or (b) the part is one of the few designated by Lenovo for onsite replacement. For a list of onsite replaceable parts, contact Lenovo. Support unrelated to a warranty issue may be subject to additional charges. Lenovo onsite repair (LOR), 8 am to 5 pm, Monday through Friday coverage excluding holidays, next business day (NBD) response time.

²⁷ **Based on IEEE 802.11a and 802.11b.** A customer can not upgrade to a different wireless Mini PCI adapter due to FCC regulations. Security screws prevent removal of this adapter. This wireless LAN product has been designed to permit legal operation world-wide in regions which it is approved. This product has been tested and certified to be interoperable by the Wireless Ethernet Compatibility Alliance and is authorized to carry the Wi-Fi logo.

²⁸ **The IEEE 802.11n specification (MIMO)** has been finalized and is currently in IEEE 802.11n-2009 release. The maximum speed depends on the access point device and the number of integrated antenna used for connection. An adapter with 11a/b, 11a/b/g, 11b/g/n, or 11a/b/g/n can communicate on any of its supported formats.

³⁰ **Measures only maximum** data transfer rate, not application performance. Many factors affect application performance.

³² **Wireless:** Based on IEEE 802.11a, 802.11b, and 802.11g respectively. An adapter with 11a/b, 11b/g, or 11a/b/g can communicate on either/any of these listed formats respectively, the actual connection will be based on the access point to which it connects.

³⁵ **Operating system:** Level of support varies by operating system. Operating systems not preloaded on the system may not provide full feature functionality. Refer to lenovo.com/think/support and enter your machine type and model number for more information.

³⁷ **Battery:** The ThinkPad Edge and ThinkPad SL series do not support batteries that are not genuine Lenovo-made or authorized. These systems will continue to boot, but may not charge unauthorized batteries.

Warning: Lenovo has no responsibility for the performance or safety of unauthorized batteries, and provides no warranties for failures or damage arising out of their use.

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